

# LCD TV SERVICE MANUAL

CHASSIS: ML-042A

**MODEL: 15LW1R (15LW1R-MD)** 

#### **CAUTION**

BEFORE SERVICING THE CHASSIS, READ THE SAFETY PRECAUTIONS IN THIS MANUAL.



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#### SAFETY PRECAUTIONS

#### **IMPORTANT SAFETY NOTICE**

Many electrical and mechanical parts in this chassis have special safety-related characteristics. These parts are identified by  $\triangle$  in the Schematic Diagram and Replacement Parts List.

It is essential that these special safety parts should be replaced with the same components as recommended in this manual to prevent X-RADIATION. Shock, Fire, or other Hazards.

Do not modify the original design without permission of manufacturer.

#### **General Guidance**

An **isolation Transformer should always be used** during the servicing of a receiver whose chassis is not isolated from the AC power line. Use a transformer of adequate power rating as this protects the technician from accidents resulting in personal injury from electrical shocks.

It will also protect the receiver and it's components from being damaged by accidental shorts of the circuitry that may be inadvertently introduced during the service operation.

If any fuse (or Fusible Resistor) in this TV receiver is blown, replace it with the specified.

When replacing a high wattage resistor (Oxide Metal Film Resistor, over 1W), keep the resistor 10mm away from PCB.

Keep wires away from high voltage or high temperature parts.

#### X-RAY Radiation

#### Warning:

The source of X-RAY RADIATION in this TV receiver is the High Voltage Section and the LCD PANEL.

For continued X-RAY RADIATION protection, the replacement panel must be the same type panel as specified in the Replacement Parts List.

To determine the presence of high voltage, use an accurate high impedance HV meter.

Adjust brightness, color, contrast controls to minimum.

Measure the high voltage.

The meter reading should indicate

23.5 ; 1.5KV: 14-19 inch, 26 ; 1.5KV: 19-21 inch, 29.0 ; 1.5KV: 25-29 inch, 30.0 ; 1.5KV: 32 inch

If the meter indication is out of tolerance, immediate service and correction is required to prevent the possibility of premature component failure.

#### Before returning the receiver to the customer,

always perform an **AC leakage current check** on the exposed metallic parts of the cabinet, such as antennas, terminals, etc., to be sure the set is safe to operate without damage of electrical shock.

#### Leakage Current Cold Check(Antenna Cold Check)

With the instrument AC plug removed from AC source, connect an electrical jumper across the two AC plug prongs. Place the AC switch in the on position, connect one lead of ohm-meter to the AC plug prongs tied together and touch other ohm-meter lead in turn to each exposed metallic parts such as antenna terminals, phone jacks, etc.

If the exposed metallic part has a return path to the chassis, the measured resistance should be between  $1M\Omega$  and  $5.2M\Omega$ .

When the exposed metal has no return path to the chassis the reading must be infinite.

An other abnormality exists that must be corrected before the receiver is returned to the customer.

#### Leakage Current Hot Check (See below Figure)

Plug the AC cord directly into the AC outlet.

#### Do not use a line Isolation Transformer during this check.

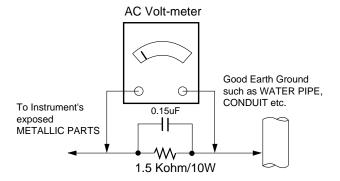
Connect 1.5K/10watt resistor in parallel with a 0.15uF capacitor between a known good earth ground (Water Pipe, Conduit, etc.) and the exposed metallic parts.

Measure the AC voltage across the resistor using AC voltmeter with 1000 ohms/volt or more sensitivity.

Reverse plug the AC cord into the AC outlet and repeat AC voltage measurements for each exposed metallic part. Any voltage measured must not exceed 0.75 volt RMS which is corresponds to 0.5mA.

In case any measurement is out of the limits specified, there is possibility of shock hazard and the set must be checked and repaired before it is returned to the customer.

#### **Leakage Current Hot Check circuit**



## SERVICING PRECAUTIONS

CAUTION: Before servicing receivers covered by this service manual and its supplements and addenda, read and follow the *SAFETY PRECAUTIONS* on page 3 of this publication.

*NOTE:* If unforeseen circumstances create conflict between the following servicing precautions and any of the safety precautions on page 3 of this publication, always follow the safety precautions. Remember: Safety First.

#### **General Servicing Precautions**

- Always unplug the receiver AC power cord from the AC power source before;
  - Removing or reinstalling any component, circuit board module or any other receiver assembly.
  - Disconnecting or reconnecting any receiver electrical plug or other electrical connection.
  - Connecting a test substitute in parallel with an electrolytic capacitor in the receiver.
    - **CAUTION:** A wrong part substitution or incorrect polarity installation of electrolytic capacitors may result in an explosion hazard.
- Test high voltage only by measuring it with an appropriate high voltage meter or other voltage measuring device (DVM, FETVOM, etc) equipped with a suitable high voltage probe.Do not test high voltage by "drawing an arc".
- Do not spray chemicals on or near this receiver or any of its assemblies.
- 4. Unless specified otherwise in this service manual, clean electrical contacts only by applying the following mixture to the contacts with a pipe cleaner, cotton-tipped stick or comparable non-abrasive applicator; 10% (by volume) Acetone and 90% (by volume) isopropyl alcohol (90%-99% strength)

**CAUTION:** This is a flammable mixture.

Unless specified otherwise in this service manual, lubrication of contacts in not required.

- Do not defeat any plug/socket B+ voltage interlocks with which receivers covered by this service manual might be equipped.
- Do not apply AC power to this instrument and/or any of its electrical assemblies unless all solid-state device heat sinks are correctly installed.
- Always connect the test receiver ground lead to the receiver chassis ground before connecting the test receiver positive lead.
  - Always remove the test receiver ground lead last.
- Use with this receiver only the test fixtures specified in this service manual.

**CAUTION:** Do not connect the test fixture ground strap to any heat sink in this receiver.

#### **Electrostatically Sensitive (ES) Devices**

Some semiconductor (solid-state) devices can be damaged easily by static electricity. Such components commonly are called *Electrostatically Sensitive (ES) Devices*. Examples of typical ES devices are integrated circuits and some field-effect transistors and semiconductor "chip" components. The following techniques should be used to help reduce the incidence of component damage caused by static by static electricity.

 Immediately before handling any semiconductor component or semiconductor-equipped assembly, drain off any electrostatic charge on your body by touching a known earth ground. Alternatively, obtain and wear a commercially available discharging wrist strap device, which should be removed to prevent potential shock reasons prior to applying power to the unit under test.

- After removing an electrical assembly equipped with ES devices, place the assembly on a conductive surface such as aluminum foil, to prevent electrostatic charge buildup or exposure of the assembly.
- Use only a grounded-tip soldering iron to solder or unsolder ES devices
- Use only an anti-static type solder removal device. Some solder removal devices not classified as "anti-static" can generate electrical charges sufficient to damage ES devices.
- 5. Do not use freon-propelled chemicals. These can generate electrical charges sufficient to damage ES devices.
- Do not remove a replacement ES device from its protective package until immediately before you are ready to install it. (Most replacement ES devices are packaged with leads electrically shorted together by conductive foam, aluminum foil or comparable conductive material).
- Immediately before removing the protective material from the leads of a replacement ES device, touch the protective material to the chassis or circuit assembly into which the device will be installed.

**CAUTION:** Be sure no power is applied to the chassis or circuit, and observe all other safety precautions.

 Minimize bodily motions when handling unpackaged replacement ES devices. (Otherwise harmless motion such as the brushing together of your clothes fabric or the lifting of your foot from a carpeted floor can generate static electricity sufficient to damage an ES device.)

#### General Soldering Guidelines

- Use a grounded-tip, low-wattage soldering iron and appropriate tip size and shape that will maintain tip temperature within the range or 500°F to 600°F.
- Use an appropriate gauge of RMA resin-core solder composed of 60 parts tin/40 parts lead.
- 3. Keep the soldering iron tip clean and well tinned.
- Thoroughly clean the surfaces to be soldered. Use a mall wirebristle (0.5 inch, or 1.25cm) brush with a metal handle.
   Do not use freon-propelled spray-on cleaners.
- 5. Use the following unsoldering technique
  - a. Allow the soldering iron tip to reach normal temperature. ( $500^{\circ}\text{F}$  to  $600^{\circ}\text{F}$ )
  - b. Heat the component lead until the solder melts.
  - c. Quickly draw the melted solder with an anti-static, suctiontype solder removal device or with solder braid. CAUTION: Work quickly to avoid overheating the circuitboard printed foil.
- 6. Use the following soldering technique.
  - a. Allow the soldering iron tip to reach a normal temperature (500°F to 600°F)
  - First, hold the soldering iron tip and solder the strand against the component lead until the solder melts.
  - c. Quickly move the soldering iron tip to the junction of the component lead and the printed circuit foil, and hold it there only until the solder flows onto and around both the component lead and the foil.
    - **CAUTION:** Work quickly to avoid overheating the circuit board printed foil.
  - d. Closely inspect the solder area and remove any excess or splashed solder with a small wire-bristle brush.

#### IC Remove/Replacement

Some chassis circuit boards have slotted holes (oblong) through which the IC leads are inserted and then bent flat against the circuit foil. When holes are the slotted type, the following technique should be used to remove and replace the IC. When working with boards using the familiar round hole, use the standard technique as outlined in paragraphs 5 and 6 above.

#### Removal

- Desolder and straighten each IC lead in one operation by gently prying up on the lead with the soldering iron tip as the solder melts
- Draw away the melted solder with an anti-static suction-type solder removal device (or with solder braid) before removing the IC.

#### Replacement

- 1. Carefully insert the replacement IC in the circuit board.
- Carefully bend each IC lead against the circuit foil pad and solder it.
- Clean the soldered areas with a small wire-bristle brush. (It is not necessary to reapply acrylic coating to the areas).

## "Small-Signal" Discrete Transistor Removal/Replacement

- Remove the defective transistor by clipping its leads as close as possible to the component body.
- Bend into a "U" shape the end of each of three leads remaining on the circuit board.
- 3. Bend into a "U" shape the replacement transistor leads.
- 4. Connect the replacement transistor leads to the corresponding leads extending from the circuit board and crimp the "U" with long nose pliers to insure metal to metal contact then solder each connection.

## Power Output, Transistor Device Removal/Replacement

- 1. Heat and remove all solder from around the transistor leads.
- 2. Remove the heat sink mounting screw (if so equipped).
- Carefully remove the transistor from the heat sink of the circuit board.
- 4. Insert new transistor in the circuit board.
- 5. Solder each transistor lead, and clip off excess lead.
- 6. Replace heat sink.

#### Diode Removal/Replacement

- Remove defective diode by clipping its leads as close as possible to diode body.
- Bend the two remaining leads perpendicular y to the circuit board.
- Observing diode polarity, wrap each lead of the new diode around the corresponding lead on the circuit board.
- 4. Securely crimp each connection and solder it.
- Inspect (on the circuit board copper side) the solder joints of the two "original" leads. If they are not shiny, reheat them and if necessary, apply additional solder.

#### **Fuse and Conventional Resistor**

#### Removal/Replacement

- Clip each fuse or resistor lead at top of the circuit board hollow stake
- Securely crimp the leads of replacement component around notch at stake top.
- 3. Solder the connections.

**CAUTION:** Maintain original spacing between the replaced component and adjacent components and the circuit board to prevent excessive component temperatures.

#### Circuit Board Foil Repair

Excessive heat applied to the copper foil of any printed circuit board will weaken the adhesive that bonds the foil to the circuit board causing the foil to separate from or "lift-off" the board. The following guidelines and procedures should be followed whenever this condition is encountered.

#### At IC Connections

To repair a defective copper pattern at IC connections use the following procedure to install a jumper wire on the copper pattern side of the circuit board. (Use this technique only on IC connections).

- Carefully remove the damaged copper pattern with a sharp knife. (Remove only as much copper as absolutely necessary).
- carefully scratch away the solder resist and acrylic coating (if used) from the end of the remaining copper pattern.
- Bend a small "U" in one end of a small gauge jumper wire and carefully crimp it around the IC pin. Solder the IC connection.
- 4. Route the jumper wire along the path of the out-away copper pattern and let it overlap the previously scraped end of the good copper pattern. Solder the overlapped area and clip off any excess jumper wire.

#### At Other Connections

Use the following technique to repair the defective copper pattern at connections other than IC Pins. This technique involves the installation of a jumper wire on the component side of the circuit board.

- Remove the defective copper pattern with a sharp knife.
   Remove at least 1/4 inch of copper, to ensure that a hazardous condition will not exist if the jumper wire opens.
- Trace along the copper pattern from both sides of the pattern break and locate the nearest component that is directly connected to the affected copper pattern.
- Connect insulated 20-gauge jumper wire from the lead of the nearest component on one side of the pattern break to the lead of the nearest component on the other side.

Carefully crimp and solder the connections.

**CAUTION:** Be sure the insulated jumper wire is dressed so the it does not touch components or sharp edges.

## **SPECIFICATION**

NOTE: Specifications and others are subject to change without notice for improvement.

#### 1. Application range

This specification is applied to ML-042A chassis.

#### 2. Requirement for Test

Testing for standard of each part must be followed in below condition.

- (1) Temperature: 25°C ± 2°C
- (2) Humidity: 65% ± 10%
- (3) Power: Standard input voltage (AC 100-240V, 50/60Hz)
- (4) Measurement must be performed after heat-run more than 30min.
- (5) Adjusting standard for this chassis is followed a special standard.

#### 3.General Specification

| No. | Item                 | Specification                              | Remark |  |
|-----|----------------------|--|--------|--|
| 1   | Maker                | LPL  | LPL    |  |
|     | Туре                 | TFT Color LCD Module                       |        |  |
|     | ActiveDisplay Area   | 15.0 inches(380.16mm) diagonal(Aspect 4:3) |        |  |
|     | Pixel Pitch [mm]     | 0.297mm(H)x0.297mm(V)xRGB                  |        |  |
|     | Electrical Interface | LVDS                                       |        |  |
|     | Color Depth          | 6BIT WITH FRC, 16,777,216 colors           |        |  |
|     | Size [mm]            | 304.128(H)x228.096V)                       |        |  |
|     | Surface Treatment    | Anti Glare(3H)                             |        |  |
|     | Back light Unit      | 4 CCFL                                     |        |  |

#### 4. Mechanical Specification

| No | Item      |                           |             | Remark     |            |              |
|----|-----------|---------------------------|-------------|------------|------------|--------------|
| 1  | Product   |                           | Width (W)   | Length (D) | Height (H) |              |
|    | Dimension | Before Packing(RX)        | 454 mm      | 201 mm     | 340 mm     | With Stand   |
|    |           | Before Packing(TX)        | 110 mm      | 245 mm     | 243 mm     |              |
| 2  | Product   | Before Packing(SET.RX/TX) | 5.4kg/1.6kg |            |            | With battery |
|    | Weight    | Before Packing(BOX)       |             |            |            |              |

## 5. Engineering Specification

| No | Item  |                    | Content Remark        |                |            |                |               |  |
|----|---|--------------------|-----------------------|----------------|------------|----------------|---------------|--|
| 1  | Response Time                               | Rise Time (typ     | Rise Time (typ): 5ms  |                |            |                |               |  |
| 2  | TX LED                                      |                    |                       | ED Power LED E |            | Blue LED       |               |  |
|    |   | POWER off m        | node                  |                |            |                |               |  |
|    |   | (No adapter)       |                       | Of             | f          | Off            |               |  |
|    |   | POWER off m        | node                  | A I            |            | 0"             |               |  |
|    |   | (adapter)          |                       | Amb            | per        | Off            |               |  |
|    |   | POWER on m         | node                  | Gree           | on         | Off            |               |  |
|    |   | (network disco     | nnected)              | Gree           | EII        | Oii            |               |  |
|    |   | POWER on m         | node                  | Gree           | an an      | Blue           |               |  |
|    |   | (network conn      | nected)               | O TO           | 011        | Bide           |               |  |
| 3  | RX battery LED                              | Battery            | No adapter            | Power on       | 30~100%    | Green          |               |  |
|    |   |                    |                       |                | 10~30%     | Yellow         | -             |  |
|    |   |                    |                       |                | 10% under  | Blink Yellow   | -             |  |
|    |   |                    |                       | Power off/idle | Х          | Off            | -             |  |
|    |   |                    | adapter               | Power          | 0.070/     | 0.070/         | -             |  |
|    |   |                    | (charging)            | On/off         | 0~97%      | 0~97%          |               |  |
|    |   |                    | adapter               | Power          |            |                | -             |  |
|    |   |                    | (charging             | On/off         | 98% over   | Green          |               |  |
|    |   |                    | complete)             |                |            |                |               |  |
|    |   | No battery         | -                     | -              | -          | Off            | -             |  |
| 4  | Rx Wireless Lan                             | Network conn       | ectingGreen           |                |            |                |               |  |
|    | LED   | Network disco      | nnecting              | off            |            |                | -             |  |
| 5  | RX Power LED                                | Power on           |                       | Blue           |            |                | Dark After 5s |  |
|    |   | Power off off      |                       |                |            | Dark Aiter 35  |               |  |
| 6  | Operating                                   | 1) Temp : 5~3      | 35 Deg                |                |            |                |               |  |
|    | Environment                                 | 2) Humidity : 8    | 2) Humidity : 85%     |                |            |                |               |  |
| 7  | Storage                                     | 1) Temp : -20      | 1) Temp: -20 ~ 60 deg |                |            |                |               |  |
|    | Environment                                 | 2) Humidity : 85 % |                       |                |            |                |               |  |
| 8  | 8 MTBF 50,000 Hrs With 90% Confidence Level |                    |                       |                | Lame Life: |                |               |  |
|    |   |                    |                       |                |            | 40,000 Hr(Min) |               |  |
| 9  | Rx  |                    |                       | Specificatio   | n          |                | remark        |  |
|    | Normal(Power S/W On)                        | -                  |                       | Blue           |            | ; 72W          | Blue          |  |
|    | Power Switch Off                            | -                  |                       | OFF            |            | i ~1W          | OFF           |  |

## 6. Optical Character

| No | Item                  |                | Remark                                 |                        |        |        |       |  |
|----|-----------------------|----------------|--|------------------------|--------|--------|-------|--|
| 1  | Viewing Angle         | Horizontal(R/  | Horizontal(R/L) : 65 ¡/65 ¡ ₹Typ.)     |                        |        |        |       |  |
|    | (R;~10)               | Vertical(Top/E | Vertical(Top/Bottom): 45 ¡/€5 ; ₹Typ.) |                        |        |        |       |  |
| 2` | Luminance             | Average Lum    | Average Luminance (cd/m2) 450(typ)     |                        |        |        |       |  |
|    |                       | Luminance      | Uniformity(%)                          |                        |        |        |       |  |
| 3  | Contrast Ratio        | 400(normal)    |  |                        |        |        |       |  |
| 4  | CIE Color Coordinates |                |  | Min.                   | Normal | Max.   |       |  |
|    |                       | White          | Wx                                     | 0.286                  | 0.289  | 0.292  |       |  |
|    |                       |                | Wy                                     | 0.301                  | 0.304  | 0.307  |       |  |
|    |                       | Red            | Rx                                     | 0.616                  | 0.619  | 0.622  |       |  |
|    |                       |                | Ry                                     | 0.340                  | 0.343  | 0.346  |       |  |
|    |                       | Green          | Gx                                     | 0.295                  | 0.298  | 0.301  |       |  |
|    |                       |                | Ry                                     | 0.575                  | 0.578  | 0.581  |       |  |
|    |                       | Blue           | Bx                                     | 0.146                  | 0.149  | 0.153  |       |  |
|    |                       |                | By                                     | 0.079                  | 0.082  | 0.085  |       |  |
| 5  | Grey Level            |                | 0 - (0)                                | Relative Luminance (%) |        | ce (%) | Notes |  |
|    | Relative Brightness   | n              | Gs (S)                                 | Тур.                   |        |        |       |  |
|    |                       | 1              | L0                                     |                        | 0.22   |        |       |  |
|    |                       | 2              | 2 L15                                  |                        | 0.34   |        |       |  |
|    |                       | 3              | L31                                    |                        | 0.81   |        |       |  |
|    |                       | 4              | L47                                    | 2.10                   |        |        |       |  |
|    |                       | 5              | L63                                    | 4.29                   |        |        |       |  |
|    |                       | 6              | L79                                    |                        | 7.46   |        |       |  |
|    |                       | 7              | L95                                    |                        | 11.4   |        |       |  |
|    |                       | 8              | L111                                   |                        | 16.4   |        |       |  |
|    |                       | 9              | L127                                   |                        | 22.1   |        |       |  |
|    |                       | 10             | L143                                   |                        | 28.7   |        |       |  |
|    |                       | 11             | L159                                   |                        | 36.4   |        |       |  |
|    |                       | 12             | L175                                   |                        | 45.1   |        |       |  |
|    |                       | 13             | L191                                   | 55.4                   |        |        |       |  |
|    |                       | 14             | L207                                   |                        | 66.2   |        |       |  |
|    |                       | 15             | L223                                   |                        | 78.0   |        |       |  |
|    |                       | 16             | L239                                   |                        | 90.4   |        |       |  |
|    |                       | 17             | L255                                   |                        | 100    |        |       |  |

## **DISASSEMBLY**



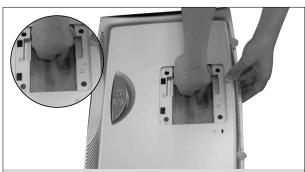


- Remove screws attached to stand by coin or (-) driver.
- Disassembly Stand from Set.

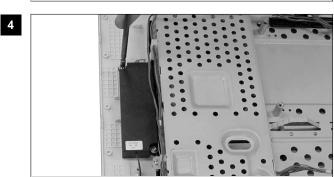


- Remove the battery.



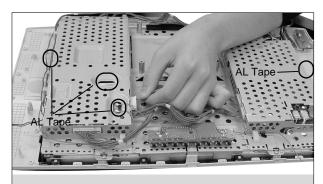


- Disassembly Back cover after press the battery as pull the edge of Back cover by hand as the picture.

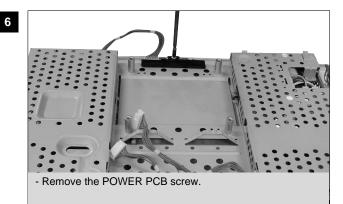


- Remove Speaker's screws of both sides.

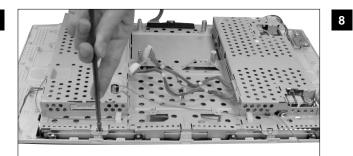
5



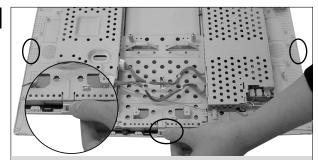
- Divide all AL TAPES and connectors from Metal Frame.



7

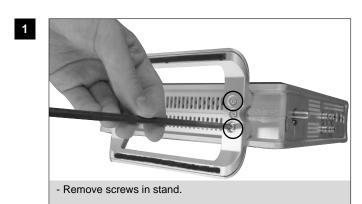


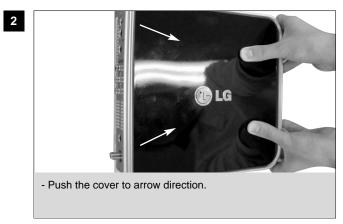
-Remove the serews between metal frame and cabinet.



- Press latches on top-center and both side of cabinet and then disassembly metal frame from the cabinet.
- Remove the screws on both side of metal frame, disassembly metal frame and module.

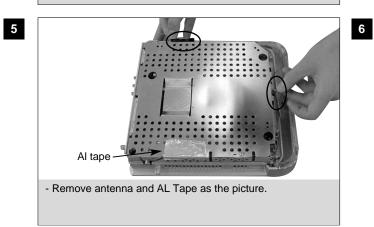
## **DISASSEMBLY**

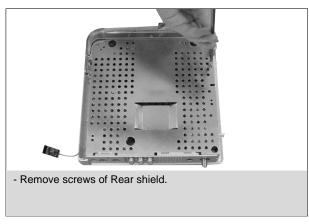




- Lift cover.







- Lift Rear shield as the picture.

## SERVICE TEST PROGRAM

#### 1. Test Items

(MICOM: 1.3.0, ROMFS: 1.2 12/21 ENG), TX SSID: 80035E (Rx Micom/Rx Flash/ Version Display), TX SSID display

- LED : Rx LED Operation Test

 Volume: Speaker Operation Test/Headphone Operation Test(for headphone connection)

- Brightness/Contrast : Rx SVC Mode Brightness/Contrast control

Button: Rx Key Control Operation Test
 Remocon: Remocon Operation Test
 Battery: Battery information display

- RX Longrun : Audio(Continuous Tone)/ Video(straight Color Bar)

- RX Factory Default : RX Flash Data Initialization: Volume, Brightness

- Initialize SSID: Initialization of TX SSID connected with RX

 TX: Tx SSID Display/VCTI,Tx Flash Version Display Long Run/Tx VCTI Data Initialization

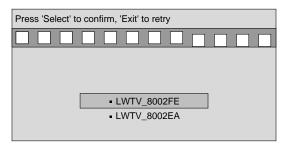
- S/W Upgrade: Execute Rx Flash Update through AP(Access Point)

- Canadian VCHIP : Default(No)

 Dot Defect : Full Black/White Pattern to check Dot Defect of the LCD module

#### 2. SSID input screen

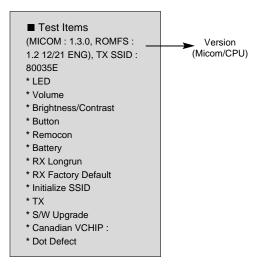
\* Screen appearing where SSID is not saved



#### (1) Test initial screen

- Method to enter into the test screen

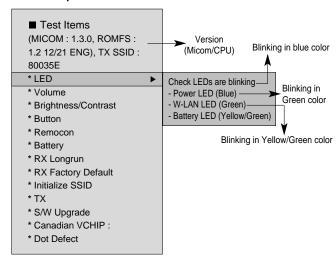
: Click the IN-START button of the Adjust Remocon (P/N:105-201M) in the RX Power ON status(operable 10 seconds after On).



=> Click the Enter button of the REMOCON in order to select detailed menu

#### (2) LED Test

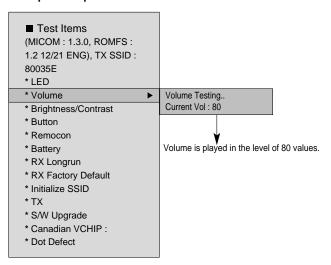
- LED Operation Test of Rx



=> Click the Exit button of the REMOCON to return to the previous initialization menu

#### (3) VOLUME Test

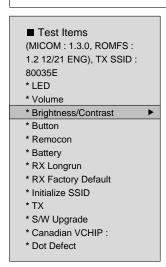
- Speaker Operation Test

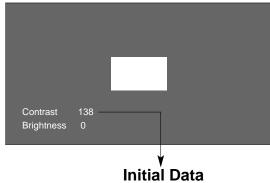


=> Click the Exit button of the REMOCON to return to the previous initialization menu

#### (4) Brightens/Contrast Adjust -1

- Adjust brightness value of the RX terminal
- Contrast has default of "138", not changed.(Number check requied)
- Brightness Spec : 0.60~0.75 cd/m2 0.65 cd/m2 (Typ)
- <-- Measuring value must be near 0.65 cd/m2 (Typ)
- Input signal: None
- Equipment required: Brightness meter (CA-110/210),
- Test conditions: Manufacturing A Line brightness measuring location (darkroom)
- These data are not reset for the SSID,
- RX Factory Default Initialization.
- Measure brightness in the Brightness/Contrast Mode after aging. If brightness is insufficient, adjust it in following method:
- 2. Adjustment method
  - Move the cursor to Brightness by pressing arrow key(; ₺/; Ø)
  - Change and adjust numbers by pressing the arrow key
     (←/→) so that brightness falls within Spec.
  - <-- Adjust measuring value near 0.65 cd/m2 (Typ).
  - Save the Exit key for escape.
- 3. Brightness value must be " -10" or more. (See following chapter for less than "-11")





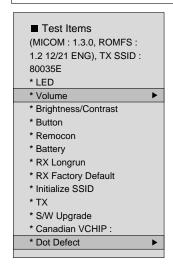
Select menu with the Up/Down button.
Change values with the Left/Right button.

=> Click the Exit button of the REMOCON to return to the previous initialization menu

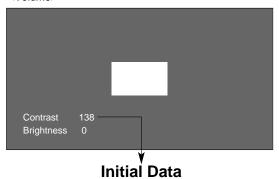
#### (5) Brightens/Contrast Adjust -2

- Adjust brightness value of the RX terminal when value less than "-11" is required
- Input signal: None
- Equipment required: Brightness meter (CA-110/210)
- Test conditions: Manufacturing A Line
- Brightness measuring location (darkroom)
- After returning to the SVC mode by pressing the Exit Key and selecting the DOT Defect Mode, measure brightness value of the center part in the black screen by pressing the numeric key "2".
- 2. Return the Brightness Adjustment Mode again, setup Spec as below:

Brightness adjusting value +< 0.1~0.15> cd/m2 = Center value in Dot Defect

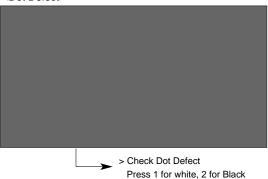


#### <Volume>



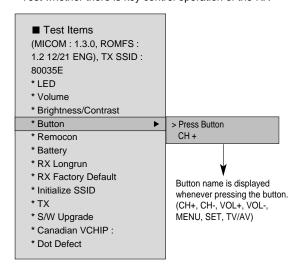
Select menu with the Up/Down button Change value with the Left/Right button

#### <Dot Defect>



#### (6) Button Test

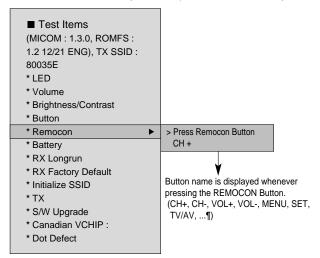
- Test whether there is key control operation of the RX



=> Click the Exit button of the REMOCON to return to the previous initialization menu

#### (7) REMOCON Test

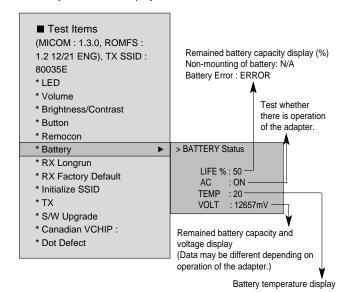
- Test whether there is key control operation of various keys



=> Click the Exit button of the REMOCON to return to the previous initialization menu

#### (7) Battery Test

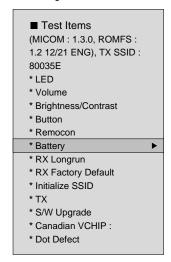
- Battery information display



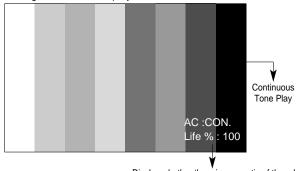
=> Click the Exit button of the REMOCON to return to the previous initialization menu

#### (8) RX Longrun

- Rx Long Run Mode



<Straight Color Bar Display on the whole of screen>

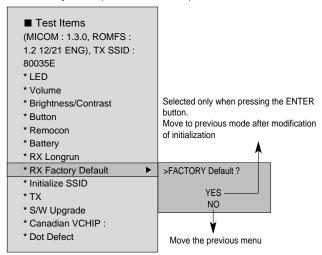


Display whether there is connection f the adapter Remained battery capacity display

=> Click the Exit button of the REMOCON to return to the previous initialization menu

#### (9) RX Factory Default

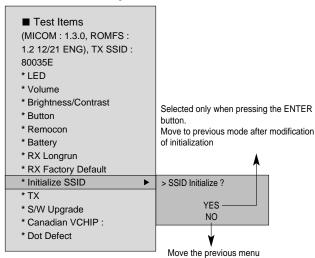
- Rx Factory Mode (Initialization Mode)



=> Click the Exit button of the REMOCON to return to the previous initialization menu

#### (10) Initialize SSID

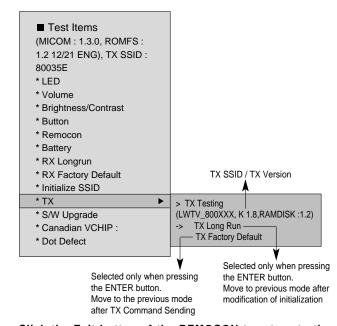
- Delete the Tx SSID registered in the Rx.



=> Click the Exit button of the REMOCON to return to the previous initialization menu

#### (11) TX

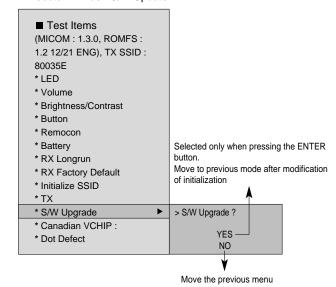
- TX Version display/Long Run Mode/TX Factory Default (Initialization Mode)



=> Click the Exit button of the REMOCON to return to the previous initialization menu

#### (12) S/W Upgrade

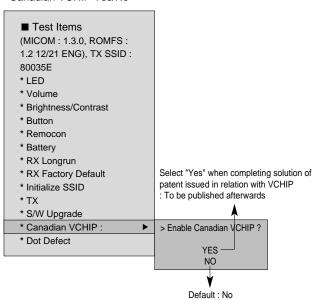
- Execute Rx Flash S/W Update



=> Click the Exit button of the REMOCON to return to the previous initialization menu

#### (13) Canadian VCHIP

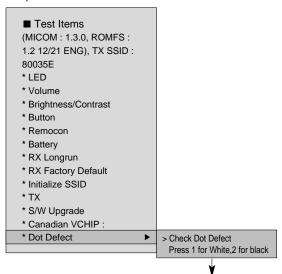
- Canadian VCHIP Yes/No



=> Click the Exit button of the REMOCON to return to the previous initialization menu

#### (14) Dot Defect

- Inspect Dot Defect of LCD Module



Remocon Button '1' : Full White Mode Remocon Button '2' : Full Black Mode

=> Click the Exit button of the REMOCON to return to the previous initialization menu

#### 3. RX/TX Release Mode Initialization

- Release mode initialization
- : TX terminal: VCTI EEPROM initialization
- : RX terminal : Initialization of User Flash Data (Volume/Brightness) except for SSID

#### - Initialization method

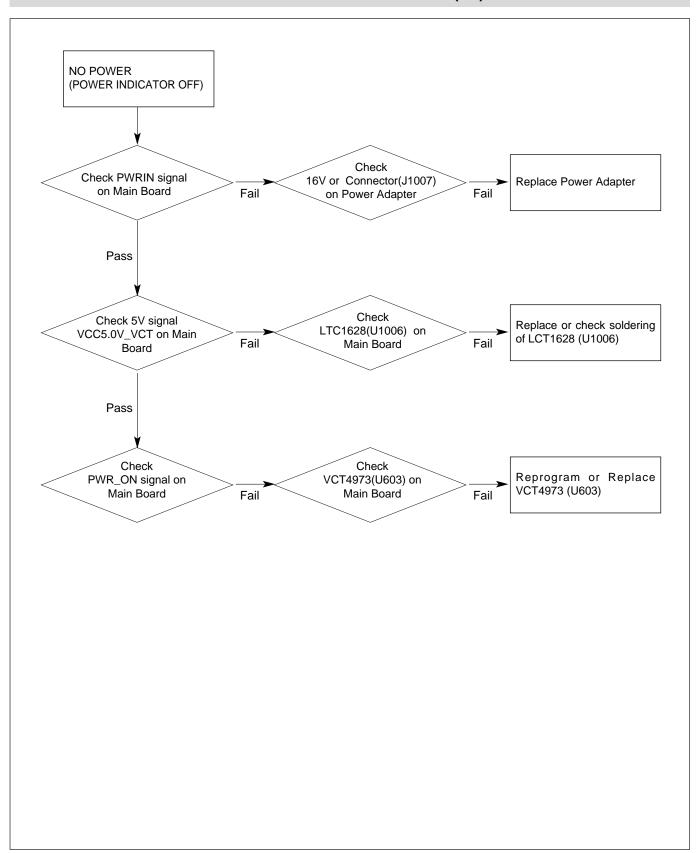
- : In use of Test Program
- Select "RX Factory Default" and "TX Factory Default" menu of the Test Item menu.

## 4. Complete charging/discharging of battery and Aging Test

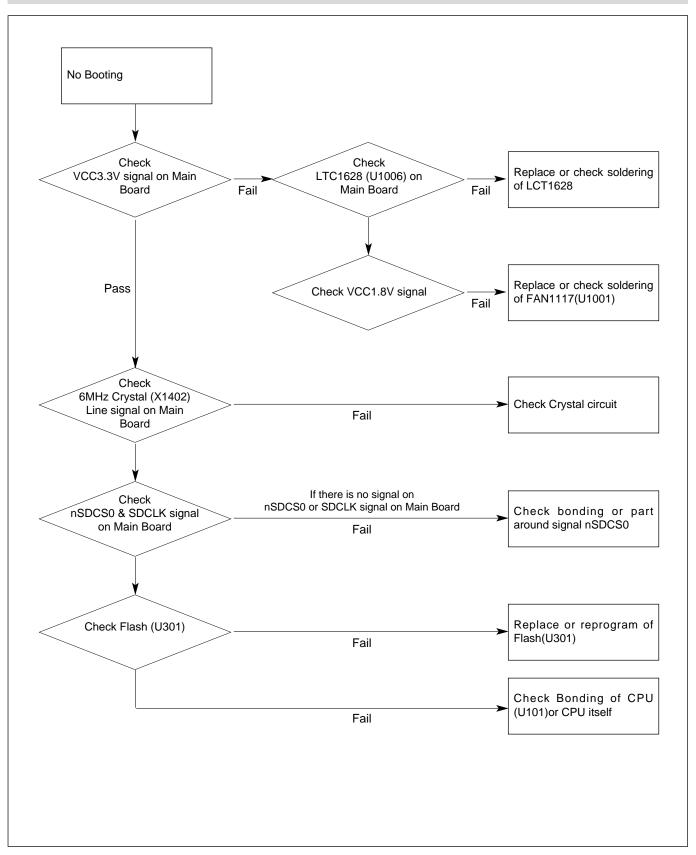
- Battery shipment mode
- : Release mode remained: 30% or more
- : Application method
- 100% charging in aging test
- Aging Test time
- : Battery 50% charging time: 2hours

## **TROUBLESHOOTING**

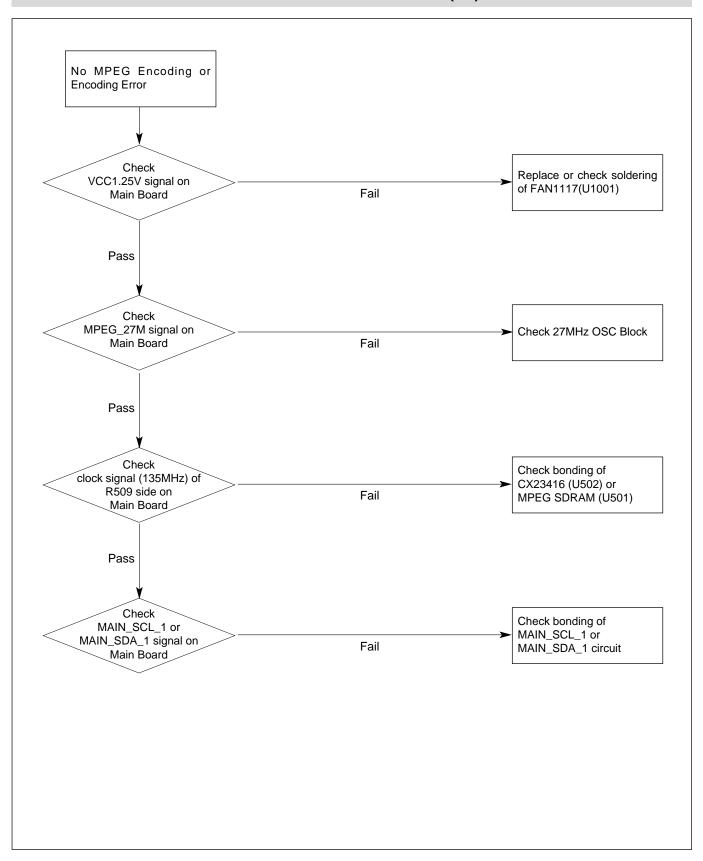
## 1. OUT OF ORDER ON POWER (TX)



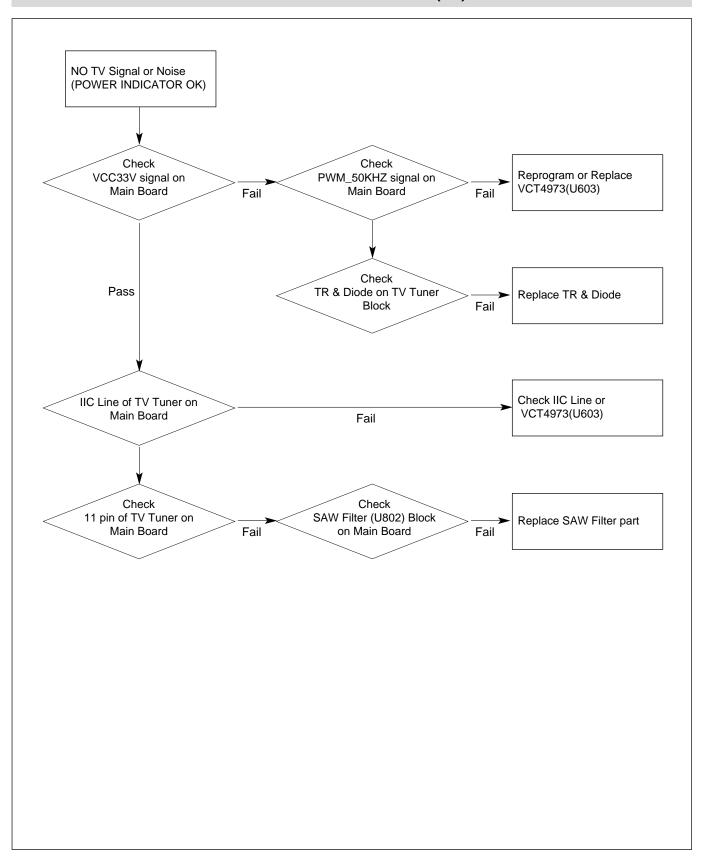
## 2. OUT OF ORDER ON BOOTING (TX)



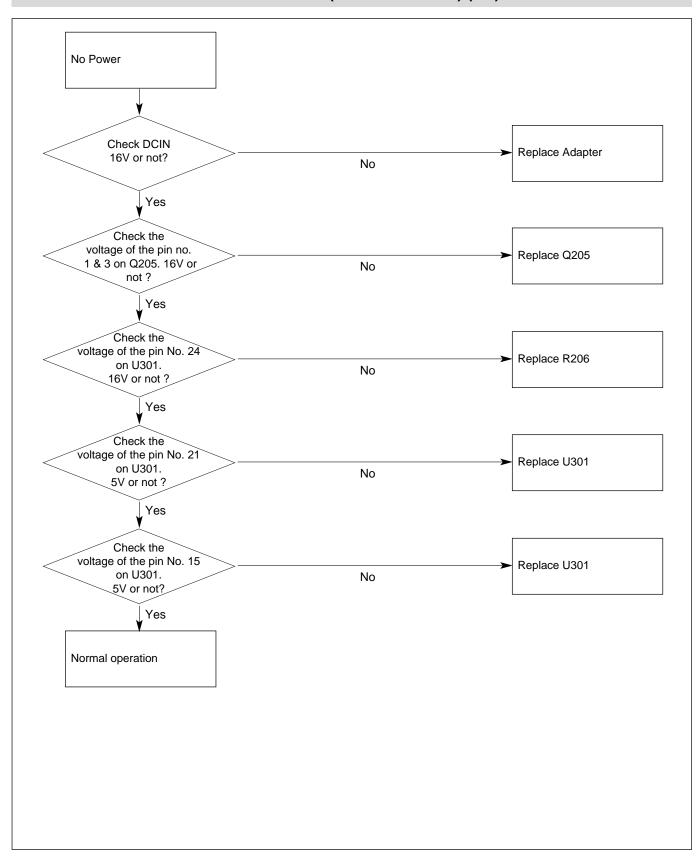
## 3. OUT OF ORDER ON MPEG (TX)



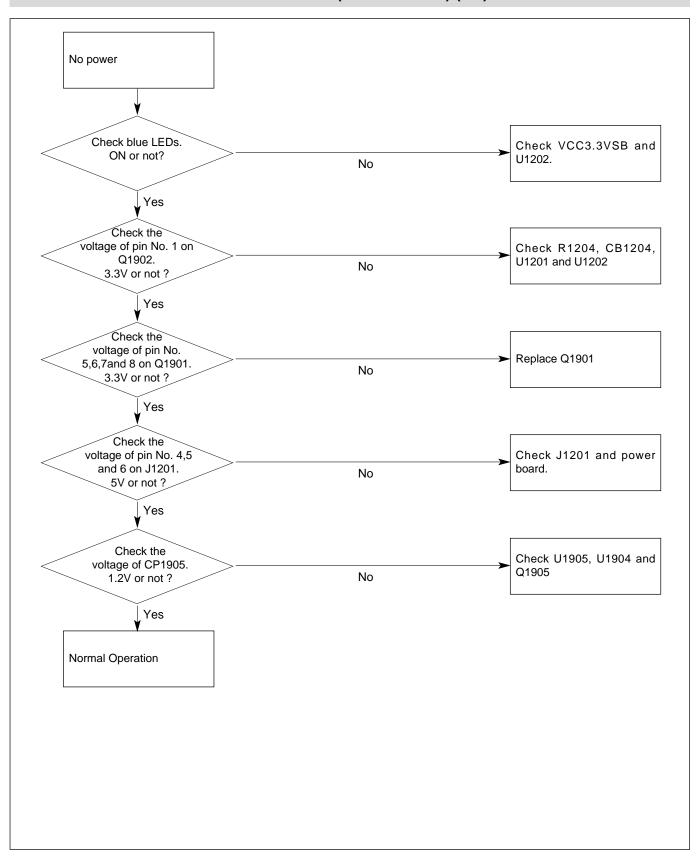
## 4. OUT OF ORDER ON TV (TX)



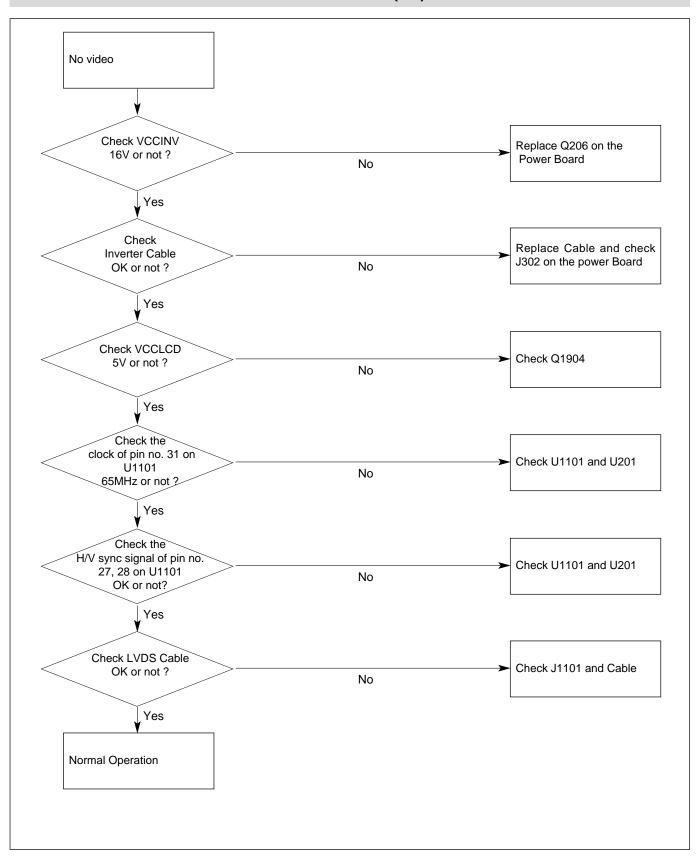
## 5. POWER PART(POWER BOARD) (RX)



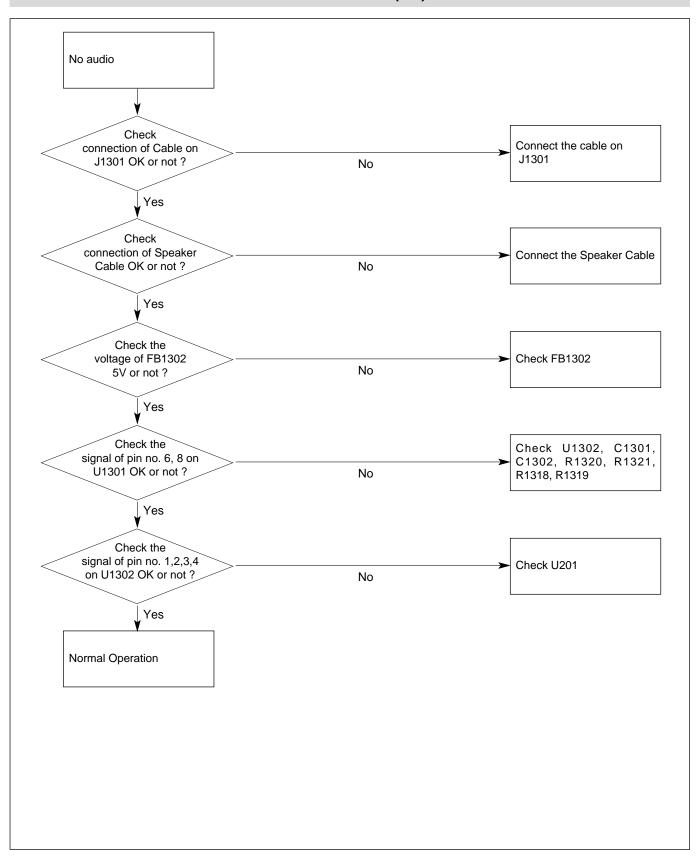
## 6. POWER PART(MAIN BOARD) (RX)



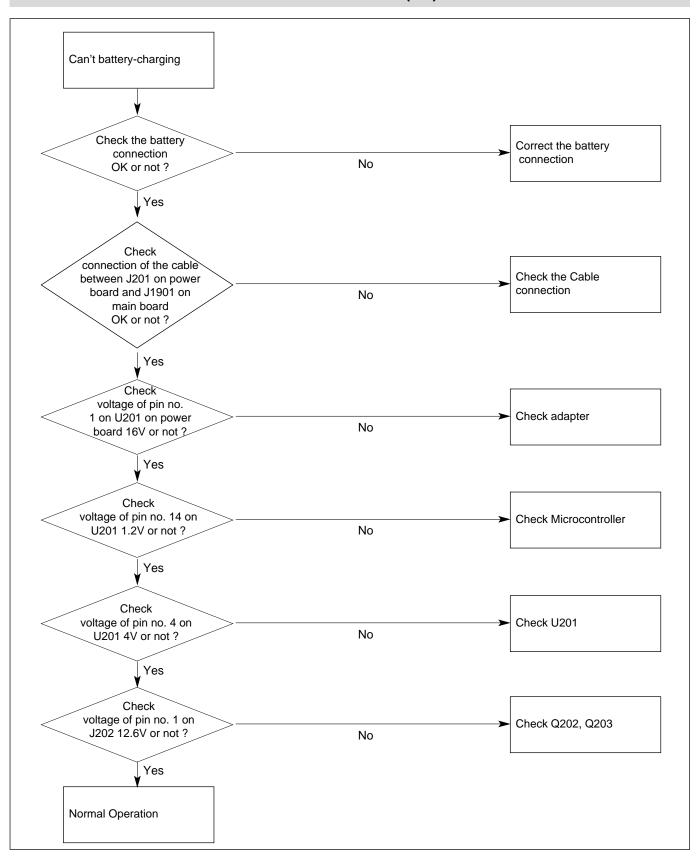
## 7. VIDEO PART (RX)

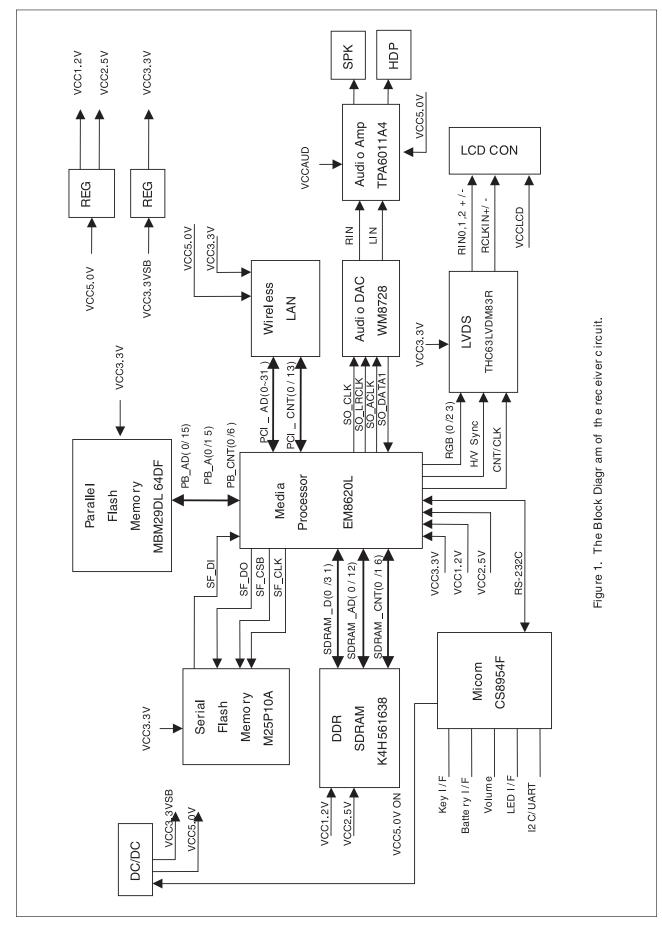


## 8. AUDIO PART (RX)



## 9. BETTERY PART (RX)





## **BLOCK DIAGRAM DESCRIPTION (RX)**

#### 1. The Media Processor(EM8620L)

The media processor which is used in this product is the EM8620L of Sigma Designs. The EM8620L consists of CPU and decoder. The CPU is a ARM7TDMI core and the decoder covers MPEG-2, MPEG-4, WMV9 and Divx. Also the EM8620L has many built-in functions that they are PCI/Peripheral BUS, Digital Audio Processor, Video/Graphic processor and Double-Data Rate SDRAM Controller etc.

In this product the PCI Bus controls a wireless LAN card of MiniPCI type and Digital Audio Processor controls a DAC device externally that it converts digital audio data into analogue audio signal. Also the Graphics controller sends 24 bit digital RGB data to a LVDS device. The LVDS device interfaces with LCD module.

#### 2. Wireless LAN

The Wireless LAN Card which is used in the product is manufactured by LG Innotek. The card satisfied with IEEE802.11 b/g standard. The product name is LVMM-3001A.

The maximum bandwidth of LVMM-3001A is 54Mbps and its operation frequency is about 2.4GHz.

#### 3. DDR SDRAM

The receiver has total 64Mbytes double-data rate SDRAM. 16Mbytes of 64Mbytes is the space for the decoder and the rest is for applications. The speed of the SDRAM is 166MHz. We use ferrite beads and capacitors on the clock lines to reduce EMI. SDRAM devices use 2.5V and 1.2V for operational voltages.

#### 4. Clock of the Media Processor(EM8620L)

Internal PLL circuit of the EM8620L generates three clock signals using 27MHz crystal oscillator input. One is 166MHz clock of the SDRAM input, another is 65MHz clock of the Digital RGB part, and the third is 24.576MHz of Audio part.

#### 5. UART(RS-232)

EM8620L has two on-chip UARTs. The UART0 is used for system debugging, and the UART1 is used to communicate with the microcontroller. The Information of key button control, battery, and power management that the microcontroller gets, is transported to the UART1 interface of EM8620L

#### 6. Audio Interface

EM8620L has a built-in digital audio processor that it is able to decode MP3 files or WMA files. The decoded data is transported into WM8728, DAC Chip and it converts digital input data to analog signals. These signals are transmitted to speaker via TPA6011A4, Audio Amplifier.

#### 7. Flash Memory

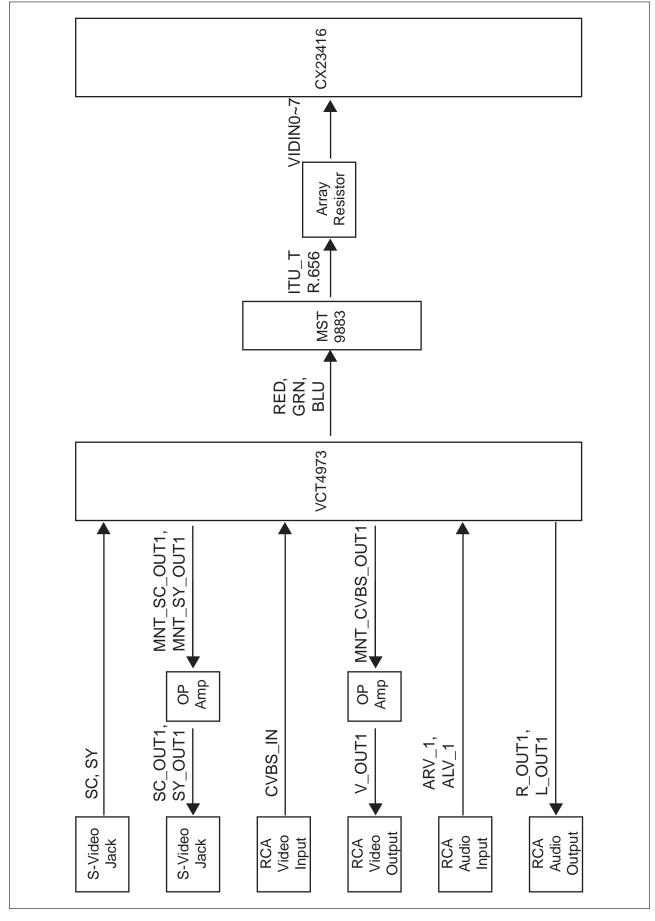
RM-15LW10 has two kinds of program memory. One is serial flash memory; the other is parallel flash memory. In serial flash memory, it is stored the program that initializes the CPU and peripherals before loading OS to main memory, and this program is called 'bootloader'. The OS to control the system is stored in the parallel flash memory. Bootloader stored in serial flash reads the OS image from the parallel flash and writes the image to the DRAM and then, launches the OS loaded into DRAM.

#### 8. Digital RGB

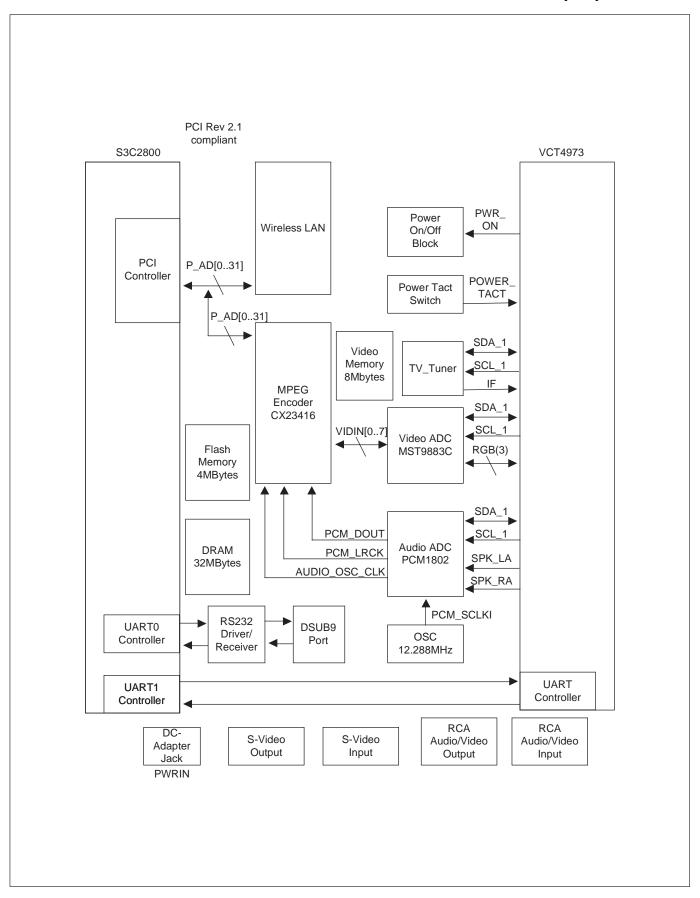
EM8620L displays the video in LCD panel by transmitting the digital RGB signal to external LVDS chip. The digital RGB signals that consist of 24-bit color, horizontal sync, vertical sync, and 65MHz clock are transmitted to LVDS chip. The signals are converted to Low Voltage Differential Signal and sent to the LCD panel.

#### 9. Microcontroller

An 8051-compatible 8-bit microcontroller, CS8954 controls battery management, key button, remote control, and power management in this system. It controls battery-charging and discharging status, and manages audio volume, channel, and remote control signal. It also plays a role of system power manager to control power supply effectively.



## WIRELESS TV TX BOARD BLOCK DIAGRAM (TX)



## **DESCRIPTION OF BLOCK DIAGRAM (Wireless TV TX)**

#### 1. CPU & Memory Block

S3C2800 Samsung CPU is used for the main processor. S3C2800 offers embedded PCI Host Bridge. Input frequency is 6MHz and maximum output frequency is 200MHz. PCI interface supports 32bit data bus at 33MHz/66MHz and wireless TV TX system is using 33MHz system. Wireless TV TX system supports 4Mbytes Flash Memory and 32Mbytes SDRAM Memory. Flash Memory is MX29LV320ABTC-90 and SDRAM Memory is composed of two 16 Mbytes SDRAM K4S281632F-TC75.

#### 2. MPEG Encoder

MPEG II A/V Encoding system is used by Conexant CX23416-12(U502). It contains memory controller and interfaces directly with HY57V643220DT-7(U501). CX23416 is interfaced with CPU by PCI interface. Input Analog signal is converted to digital signal and Mpeg encoded by CX23416 and transmitted to wireless TV RX system by wireless interface. It supports ITU-T 656 format and input frequency is 27MHz.

#### 3. Video/Audio Processor & Micom

VCT4973(U603) contains several functions which is essential for wireless TV TX system. VCT4973(Micronas inc) contains Video processor, Audio processor, micom function, V-Chip function, I2C interface. Input crystal oscillator frequency is 20.25MHz. Video/Audio signal form external AV interface is transferred to A/D Converter. Power Management function is performed by micom function. When Adapter is connected with wireless TV TX system, Standby power 1.8V, 3.3V is applied to the system and maintains Standby status and if you push the power switch, Normal power is applied to the system.

#### 4. Wireless LAN

Wireless LAN card is LG INNOTEK inc Wireless LAN card(Model:LWMM-3002A). Wireless LAN interface is interfaced by MiniPCI Type IIIA interface which is Soft MAC. Main chip is Conexant Inc. wireless LAN chip. Wireless LAN card is convertible with 802.11b(max 11Mbps) & 802.11g(max 54Mbps).

#### 5. TV Tuner

TV Tuner is LG INNOTEK Inc. TAEW-G351P. SAW Filter is not included to the tuner and internal booster is included to the tuner. The tuner adopts external 2 Antenna Connectors. One is for input TV signal and the other is output TV signal. TV tuner is controlled by VCT4973 through IIC interface. SAW Filter is EPOS Inc. X6966. X6966(U802) uses 38.9MHz IF frequency. IF signal from TV Tuner is passing through SAW Filter and transferred to VCT4973. TV Tuner's 33V is made by Transistor, Diode circuit and PWM signal. VCT4973 is sending PWM signal to 33V circuit.

#### 6. AD Converter

This circuit uses Mstar Semiconductor Inc. MST9883(U702) as Video ADC. In case of Audio ADC, TI Inc. PCM1802 is used. Video signal from VCT4973 is transformed to ITU-T R.656 format and transferred to MPEG Encoder. Audio signal from VCT4973 is transferred to Audio ADC PCM1802(U701) and passed to MPEG Encoder. PCM1802 gets input frequency 12.28MHz. MST9883 and PCM1802 has IIC interface and VCT4973 controls them through IIC interface.

#### 7. Clock distribution & Spread Spectrum

Clock system is mainly composed of CDCVF2505 and CY25812. Clock system offers 33MHz frequency to main CPU PCI master/slave system, MPEG Encoder, and Wireless LAN(MiniPCI circuit). Input Crystal frequency is 16.6MHz and this frequency is applied to CDCVF2505 and it outputs 33MHz. 33MHz can interfere with other signals and be EMI main source signal. Cypress Inc. CY25812 is used to spread frequency around 33MHz and reduces EMI value to adequate level.

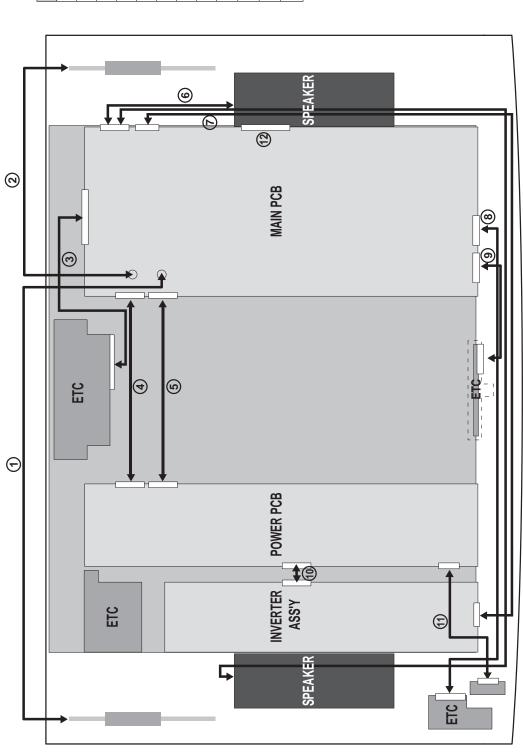
#### 8. DC-DC Converter

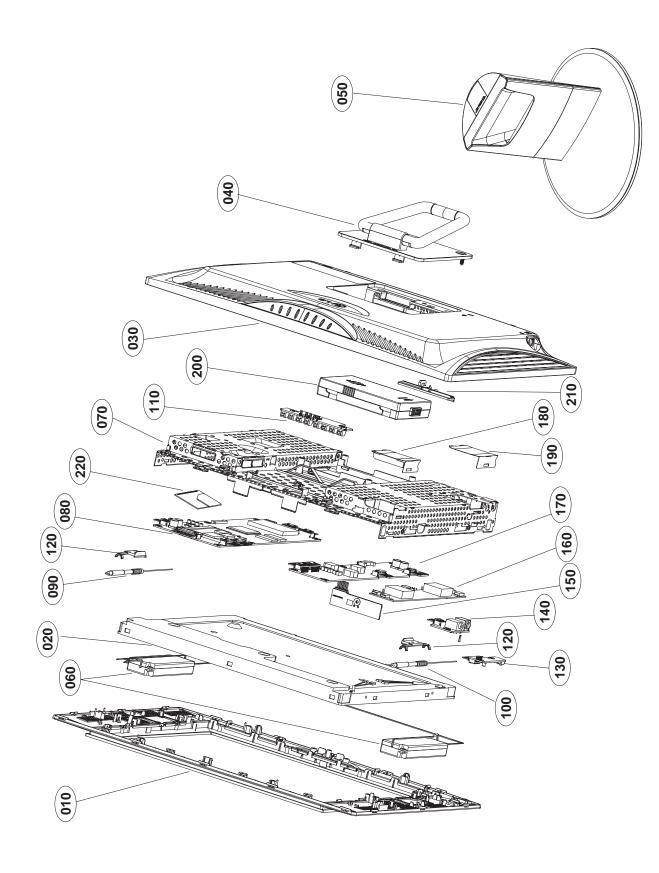
DC-DC Converter is composed of LTC1628 and regulator circuits. 110V/220V 60Hz DC power adapter output signal is 16V and wireless TV TX system input power is 16 V. 16V input power is converted to 8V by regulator (78M08), and to standby 5V, 3.3V by regulator (LTC1628) and Normal 5V, 3.3V is controlled by the signal ON/OFF from VCT4973. From standby 3.3V, standby and Normal 1.8V, 1.25V is made by regulator (FAN1117, REG1117). 1.8V power is used by VCT4973, and main processor S3C2800. 1.25V is used by MPEG Encoder.

Also, 5V, 3.3V Power control is done by FET circuit controlled by micom in A/V multi processor VCT4973. Once external Power TACT switch signal is detected by micom in VCT4973, micom remembers its signal status as toggle method. Push the button and power is on. If you push again, power is off. This way power is controlled. If DC adapter is connected, Standby power(5V, 3.3V, 1.8V) for TV tuner and video/audio system is maintained without regard to power switch push status.

In case of TV Tuner(TAEW series). 5V and 33V is needed., PWM signal from VCT4973 is amplified by transistor and rectified by diode. This way 33V is made. This 33V is also standby power. In Standby status, TV Tuner input/output is operating.

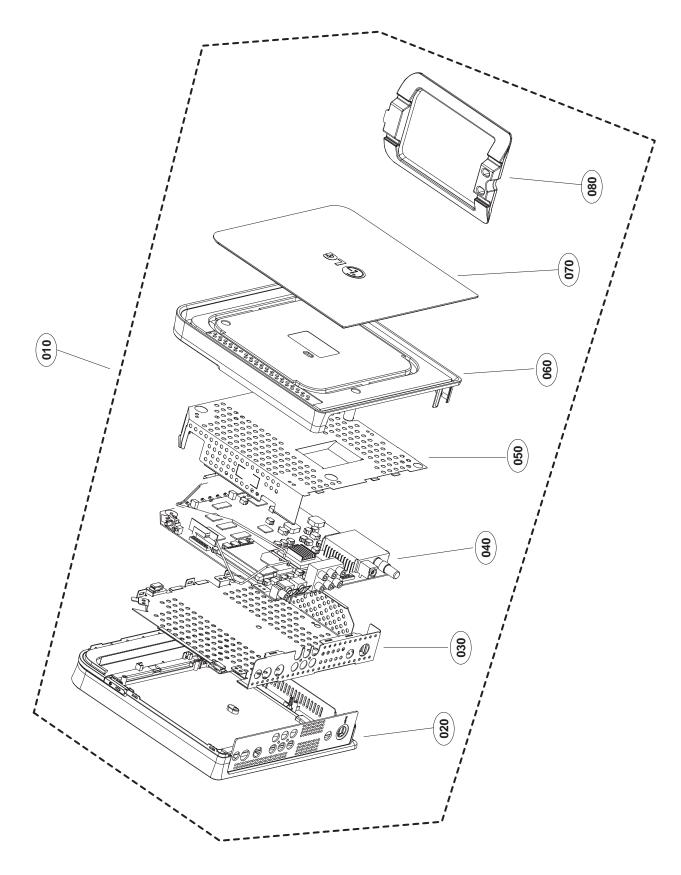
5010TZZ001E 5010TZZ001F 6631T20034G 6631T20010C 6401TZZ035C 6631T20034F 6631T20033H 6631T20015D 6631T20015A 6631T20020E 6631T20010A 6631T11020T Wiring Part List Part No. No. 10 12 2 ω တ 7 7 က 4 9





## **EXPLODED VIEW PARTS LIST**

| No. | PART NO.       | DESCRIPTION  |  |
|-----|----------------|--|--|
| 010 | 3091TKL134B    | CABINET ASSEMBLY, 15LW10 BRAND L107 SILVER/BLACK(REV)  |  |
| 020 | 6304FLP133B    | LCD(LIQUID CRYSTAL DISPLAY), LC150X02-A4 LG PHILPS TFT COLOR COST COMPENSATION                       |  |
|     | or 6304FLP133A | LCD(LIQUID CRYSTAL DISPLAY), LC150X02-A4 LG PHILPS TFT COLOR TN,XGA,450NITS,8BITS LVDS               |  |
| 030 | 3809TKL092A    | BACK COVER ASSEMBLY, 15LW10 L087 SILVER/BLACK(EXPORT)  |  |
| 040 | 3043TKK217B    | TILT SWIVEL ASSEMBLY, 15LW10 VESA STAND(SILVER WITH THUMB SCREW)                                     |  |
| 050 | 3043TKK211A    | TILT SWIVEL ASSEMBLY, 15LW10 . STANS ASSY  |  |
| 060 | 6401TZZ035C    | SPEAKER ASSEMBLY, WIRELESS, 2W,4OHM,5PIN, L80 R800   |  |
| 070 | 4951TKS181B    | METAL ASSEMBLY, FRAME 15LW10(REV)  |  |
| 080 | 6871TMTA17A    | PWB(PCB) ASSEMBLY,MAIN, 15LW1R-UA ANUSLAX BRAND ML - 042A RX MAIN TOTAL                              |  |
| 090 | 5010TZZ001E    | ANTENNA, KOSAN DIPOLE 50 OHM,L190MM  |  |
| 100 | 5010TZZ001F    | ANTENNA, KOSAN DIPOLE 50 OHM,L380MM  |  |
| 110 | 6871TST764A    | PWB(PCB) ASSEMBLY,SUB, 15LW10 ETC TOTAL BRAND RX   |  |
| 120 | 4810TKK294A    | BRACKET, 15LW10 HOLDER ANT(ABS, BK)  |  |
| 130 | 6871TST764A    | PWB(PCB) ASSEMBLY,SUB, 15LW10 ETC TOTAL BRAND RX   |  |
| 140 | 6871TST764A    | PWB(PCB) ASSEMBLY,SUB, 15LW10 ETC TOTAL BRAND RX   |  |
| 150 | 6871TST764A    | PWB(PCB) ASSEMBLY,SUB, 15LW10 ETC TOTAL BRAND RX   |  |
| 160 | 6633TZA019A    | INVERTER ASSEMBLY, FRONTEK FIF1542-51A 15 WIRELESS   |  |
| 170 | 6871TPT297B    | PWB(PCB) ASSEMBLY,POWER, 15LW10 POWER TOTAL BRAND RX POWER   |  |
| 180 | 4814TKK291A    | SHIELD, INVERTER CAP   |  |
| 190 | 4814TKK291B    | SHIELD, INVERTER CAP(BOTTOM)   |  |
| 200 | 6910C00027A    | BATTERY,LITHIUM, LG-WTB01-02 SUNGNAM ELECTRONIC CO. 11.1V 4400mAh 3S2P, UL, LG-WTB01-02              |  |
| 210 | 4810TKK278A    | BRACKET, 15LW10 HOLDER POWER PCB   |  |
| 220 | 6718M000006    | LANCARD, MINI PCI, LWMM-3001B LG IT INTERFACE STANDARD IEEE802, 11G 54M RX FOR WIRELESS TV(AMERICA). |  |



## **EXPLODED VIEW PARTS LIST**

| No. | PART NO.    | DESCRIPTION  |  |  |
|-----|-------------|--|--|--|
| 010 | 3313T15103A | MAIN TOTAL ASSEMBLY, 15LW1R-UA BRAND ML-042A           |  |  |
| 020 | 3551TKK545A | COVER ASSEMBLY, 15LW10 TOTAL . TOP ASSY(TX)            |  |  |
| 030 | 4815TKK043A | SHIELD ASSEMBLY, TOP MAIIN(15LW10)                     |  |  |
| 040 | 6871TMT787B | PWB(PCB) ASSEMBLY,MAIN, 15LW10 TX BRAND ML- 042A TOTAL |  |  |
| 050 | 4814TKK290A | SHIELD, REAR .   |  |  |
| 060 | 3551TKK546A | COVER ASSEMBLY, 15LW10 TOTAL . BOTTOM ASSY(TX)         |  |  |
| 070 | 3550TKK648B | COVER, M15XX SIDE DECO_RIGHT                           |  |  |
| 080 | 3551TKK547A | COVER ASSEMBLY, 15LW10 TOTAL . STAND ASSY(TX)          |  |  |

## **REPLACEMENT PARTS LIST**

For Capacitor & Resistors, the charactors at 2nd and 3rd digit in the P/No. means as follows;

CC, CX, CK, CN, CH : Ceramic CQ : Polyestor CE : Electrolytic CF : Fixed Film

RD : Carbon Film RS : Metal Oxide Film

RN : Metal Glazed (Chip)
RH : CHIP, Metal Glazed (Chip)
RR : Drawing

|        |            |                | DATE: 2005. 01. 10.  |
|--------|------------|----------------|--|
| *S     | *AL LOC. N | O. PART NO.    | DESCRIPTION / SPECIFICATION                                |
|        | MAIN BO    | DARD           |  |
|        | CAPACI     | TOR            |  |
|        |            |                |  |
|        | CP802      |                | 10UF 16V M 3528MM TP(-)                                    |
|        | CP803      |                | 10UF 16V M 3528MM TP(-)<br>10UF 16V M 3528MM TP(-)         |
|        | CP902      |                | 10UF 16V M 3528MM TP(-)                                    |
|        | CP904      |                | 10UF 16V M 3528MM TP(-)                                    |
|        | CP101      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP101      |                | 4.7UF 16V M 3528 TP(-)                                     |
|        | CP102      |                | 10UF 16V M 3528MM TP(-)                                    |
|        | CP103      |                | 10UF 16V M 3528MM TP(-)<br>10UF 16V M 3528MM TP(-)         |
|        | CP105      |                | 10UF 16V M 3528MM TP(-)                                    |
|        | CP106      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP107      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP108      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP109      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP110      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP111      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP112      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP113      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP114      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP201      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP202      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP301      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP401      | 0CH7475F621    | 4.7UF 16V M 3528 TP(-)                                     |
|        | CP402      | 0CH7475F621    | 4.7UF 16V M 3528 TP(-)                                     |
|        | CP403      | 0CH7475F621    | 4.7UF 16V M 3528 TP(-)                                     |
|        | CP501      | 0CH7475F621    | 4.7UF 16V M 3528 TP(-)                                     |
|        | CP100      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP100      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP100      | 03 DCH7106F621 | 10UF 16V M 3528MM TP(-)                                    |
|        | CP100      | 04 DCH7106F621 | 10UF 16V M 3528MM TP(-)                                    |
|        | CP801      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP901      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP905      | DCH7106F621    | 10UF 16V M 3528MM TP(-)                                    |
|        | CP906      |                | 10UF 16V M 3528MM TP(-)                                    |
|        | CB100      |                | C3225Y5V1E106Z TDK 25V 10UF                                |
|        | CB100      |                | C3225Y5V1E106Z TDK 25V 10UF                                |
|        | CB100      |                | C3225Y5V1E106Z TDK 25V 10UF                                |
|        | CB100      |                | C3225Y5V1E106Z TDK 25V 10UF                                |
|        | CB100      |                | C3225Y5V1E106Z TDK 25V 10UF                                |
|        | CB101      |                | C3225Y5V1E106Z TDK 25V 10UF                                |
|        | CP100      |                | EEFUDOG181R MATSUSHITA 4V 18                               |
|        | CP101      |                | EEFUDOJ151R MATSUSHITA 6.3V                                |
|        | CP607      |                | EEFUDOJ151R MATSUSHITA 6.3V                                |
|        | CP804      |                | EEFUDOJ151R MATSUSHITA 6.3V                                |
|        | CP806      |                | EEFUD0J151R MATSUSHITA 6.3V<br>C3225Y5V1E106Z TDK 25V 10UF |
|        | CB190      |                | EEFCD0J470R MATSUSHITA 6.3V                                |
|        | CP190      |                | EEFUD0G181R MATSUSHITA 6.3V                                |
|        | CP190      |                | EEFUDUG181R MATSUSHITA 4V 18 EEFUDUJ151R MATSUSHITA 6.3V   |
|        | C1004      |                | 0.1UF 1608 50V 10% R/TP X7R                                |
|        | C1004      |                | "1UF 2012 50V 80%,-20% R/TP F"                             |
|        | C601       | 0CK103DK94A    | 0.1UF 1608 50V 10% R/TP X7R                                |
|        | C602       | 0CK104CK56A    | 0.1UF 1608 50V 10% R/TP X7R                                |
| $\Box$ | 1 0002     | JOINTO-DINOON  | 551 1000 00V 1070 IV II A/IX                               |

|    |     |                |                            | DATE: 2005. 01. 10.   |
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| *S | *AL | LOC. NO.       | PART NO.                   | DESCRIPTION / SPECIFICATION                                 |
|    |     |                |                            |   |
|    |     | C603           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | C604           | 0CK822CK56A                | 8200PF 1608 50V 10% X7R R/TP                                |
|    |     | C605           | 0CK822CK56A                | 8200PF 1608 50V 10% X7R R/TP                                |
|    |     | C607           | 0CK334CF94A                | "0.33UF 1608 16V 80%,-20% F(Y"                              |
|    |     | C608           | 0CK334CF94A                | "0.33UF 1608 16V 80%,-20% F(Y"                              |
|    |     | C620           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | C705           | 0CK393CK56A                | 39000PF 1608 50V 10% R/TP X7                                |
|    |     | C706           | 0CK392CK56A                | 3900PF 1608 50V 10% R/TP X7R                                |
|    |     | CB103          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB104          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB105          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB106          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB107          | 0CK104CK56A<br>0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB108<br>CB109 | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R<br>0.1UF 1608 50V 10% R/TP X7R  |
|    |     | CB109<br>CB110 | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X/R<br>0.1UF 1608 50V 10% R/TP X/R  |
|    |     | CB110          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TF X/R                                 |
|    |     | CB111          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TF X/R                                 |
|    |     | CB112          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X/R                                 |
|    |     | CB114          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB1301         | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB1302         | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB1303         | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB1304         | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB1305         | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB1306         | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB1307         | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB1308         | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB1408         | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB212          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB213          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB401          | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                |
|    |     | CB402          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB403          | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                |
|    |     | CB404          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB405          | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                |
|    |     | CB406          | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                |
|    |     | CB407<br>CB408 | 0CK103CK51A<br>0CK104CK56A | 0.01UF 1608 50V 10% R/TP B(Y<br>0.1UF 1608 50V 10% R/TP X7R |
|    |     | CB408<br>CB409 | 0CK104CK56A                | 0.10F 1608 50V 10% R/TP B/Y                                 |
|    |     | CB409<br>CB410 | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                |
|    |     | CB410          | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                |
|    |     | CB411          | 0CK103CK51A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB413          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB414          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB415          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB416          | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                 |
|    |     | CB417          | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                |
|    |     | CB419          | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                |
|    |     | CB421          | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                |
|    |     | CB501          | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                |
|    |     | CB502          | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                |
|    |     | CB503          | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                |
|    |     | CB504          | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                |
|    |     |                |                            |   |

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| *S | *AL | LOC. NO.         | PART NO.                   | DESCRIPTION / SPECIFICATION                                |
|    |     | CB505            | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                               |
|    |     | CB506            | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                               |
|    |     | CB507            | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                               |
|    |     | CB508            | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                               |
|    |     | CB509            | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                               |
|    |     | CB602            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB604            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB607            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB609            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB610            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB612            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB613<br>CB615   | 0CK104CK56A<br>0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R<br>0.1UF 1608 50V 10% R/TP X7R |
|    |     | CB617            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB619            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB623            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB625            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB626            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB629            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB631            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB633            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB707            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB708            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB709<br>CB710   | 0CK104CK56A<br>0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R<br>0.1UF 1608 50V 10% R/TP X7R |
|    |     | CB710<br>CB711   | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X/R                                |
|    |     | CB711            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB713            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB714            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB715            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB716            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB717            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB801            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB804            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | C501             | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | C502<br>C503     | 0CK104CK56A<br>0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R<br>0.1UF 1608 50V 10% R/TP X7R |
|    |     | CB1006           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1007           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1008           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1009           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1011           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1012           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1013           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1101           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1105           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1416<br>CB1417 | 0CK104CK56A<br>0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R<br>0.1UF 1608 50V 10% R/TP X7R |
|    |     | CB1417           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X/R<br>0.1UF 1608 50V 10% R/TP X/R |
|    |     | CB1419           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1502           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1507           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1601           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1602           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1603           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1604           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1605           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1606<br>CB2005 | 0CK104CK56A<br>0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R<br>0.1UF 1608 50V 10% R/TP X7R |
|    |     | CB2005<br>CB804  | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X/R<br>0.1UF 1608 50V 10% R/TP X/R |
|    |     | CB805            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB806            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     |                  |                            |  |

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| *S | *ΔΙ | LOC. NO.         | PARTNO                     | DATE: 2005. 01. 10.  DESCRIPTION / SPECIFICATION           |
| 3  | AL  | LOC. NO.         | PART NO.                   | DESCRIPTION/ SPECIFICATION                                 |
|    |     | CB807            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB808            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB809            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB904            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB906            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB907            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB908            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | C1001            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | C1002            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | C1008            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | C1009            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | C1010            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | C1101            | 0CK105DK94A                | "1UF 2012 50V 80%,-20% R/TP F"                             |
|    |     | C501             | 0CK473CK56A                | 47000PF 1608 50V 10% R/TP X7                               |
|    |     | C606<br>C617     | 0CK104CK56A<br>0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R<br>0.1UF 1608 50V 10% R/TP X7R |
|    |     | C701             | 0CK104CK50A                | 0.01UF 1608 50V 10% R/TP B(Y                               |
|    |     | C701             | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                               |
|    |     | C702             | 0CK103CK51A                | 0.1UF 1608 50V 10% R/TP X/R                                |
|    |     | C710             | 0CK473CK56A                | 47000PF 1608 50V 10% R/TP X7                               |
|    |     | C711             | 0CK473CK56A                | 47000PF 1608 50V 10% R/TP X7                               |
|    |     | C713             | 0CK473CK56A                | 47000PF 1608 50V 10% R/TP X7                               |
|    |     | C716             | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | C812             | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                               |
|    |     | C813             | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                               |
|    |     | C814             | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                               |
|    |     | C815             | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                               |
|    |     | C816             | 0CK273CK56A                | 27000PF 1608 50V 10% X7R R/T                               |
|    |     | CB101            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1012           | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                               |
|    |     | CB1013           | 0CK105DK94A                | "1UF 2012 50V 80%,-20% R/TP F"                             |
|    |     | CB102            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1101           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB1206<br>CB1407 | 0CK104CK56A<br>0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R<br>0.1UF 1608 50V 10% R/TP X7R |
|    |     | CB1407           | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TF X/R                                |
|    |     | CB201            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X/R                                |
|    |     | CB203            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB204            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB205            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB206            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB207            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB208            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB209            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB210            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB211            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB214            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB301            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB420            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB422            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB423            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB424            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB601            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB627            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB628            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R<br>0.1UF 1608 50V 10% R/TP X7R |
|    |     | CB634<br>CB635   | 0CK104CK56A<br>0CK104CK56A | 0.1UF 1608 50V 10% R/TP X/R<br>0.1UF 1608 50V 10% R/TP X/R |
|    |     | CB035<br>CB701   | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X/R<br>0.1UF 1608 50V 10% R/TP X/R |
|    |     | CB701            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X/R                                |
|    |     | CB702            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB705            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     | CB706            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                |
|    |     |                  |                            |  |

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| *AL | LOC. NO. | PART NO.    | DESCRIPTION / SPECIFICATION    |
|     |          |             |                                |
|     | CB718    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB719    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB802    | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y   |
|     | CB803    | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y   |
|     | CB805    | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y   |
|     | CB903    | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y   |
|     | C1301    | 0CK474CH94A | "0.47UF 1608 25V 80%,-20% R/T" |
|     | C1302    | 0CK474CH94A | "0.47UF 1608 25V 80%,-20% R/T" |
|     | C1803    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | C1902    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | C1904    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | C1905    | 0CK225DK94A | "2.2UF 2012 50V 80%,-20% F(Y5" |
|     | C1910    | 0CK103CK51A | 0.01UF 1608 50V 10% R/TP B(Y   |
|     | CB1001   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1002   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1003   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1004   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1010   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1015   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1016   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1017   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1018   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1103   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1104   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1106   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1202   |             | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1203   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1204   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1205   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1206   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1301   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1303   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1306   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1307   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1308   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1401   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1402   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1501   |             | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1503   |             | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1504   |             | 0.1UF 1608 50V 10% R/TP X7R    |
|     | 02.000   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     |          | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1802   |             | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1805   |             | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1810   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1901   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB1902   | 0CK105DK94A | "1UF 2012 50V 80%,-20% R/TP F" |
|     | CB1903   | 0CK105DK94A | "1UF 2012 50V 80%,-20% R/TP F" |
|     | CB1904   | 0CK105DK94A | "1UF 2012 50V 80%,-20% R/TP F" |
|     | CB1905   | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB301    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB302    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB501    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB502    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB503    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB504    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB505    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB701    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB801    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB802    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
|     | CB803    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |
| 1   | CB901    | 0CK104CK56A | 0.1UF 1608 50V 10% R/TP X7R    |

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|    | 00000      | 001/40401/504 | 0.4115.4000.501/.400/. D/TD //TD |
|    | CB902      | 0CK104CK56A   | 0.1UF 1608 50V 10% R/TP X7R      |
|    | CB903      | 0CK104CK56A   | 0.1UF 1608 50V 10% R/TP X7R      |
|    | CB905      | 0CK104CK56A   | 0.1UF 1608 50V 10% R/TP X7R      |
|    | CB909      | 0CK104CK56A   | 0.1UF 1608 50V 10% R/TP X7R      |
|    | CB910      | 0CK104CK56A   | 0.1UF 1608 50V 10% R/TP X7R      |
|    | CB911      | 0CK104CK56A   | 0.1UF 1608 50V 10% R/TP X7R      |
|    | CB912      | 0CK104CK56A   | 0.1UF 1608 50V 10% R/TP X7R      |
|    | CB913      | 0CK104CK56A   | 0.1UF 1608 50V 10% R/TP X7R      |
|    | CB914      | 0CK104CK56A   | 0.1UF 1608 50V 10% R/TP X7R      |
|    | C503       | 0CC330CK41A   | 33PF 1608 50V 5% R/TP NP0        |
|    | C613       | 0CC101CK41A   | 100PF 1608 50V 5% R/TP NP0       |
| l  | C717       | 0CC220CK41A   | 22PF 1608 50V 5% R/TP NP0        |
|    | C817       | 0CC220CK41A   | 22PF 1608 50V 5% R/TP NP0        |
|    | C818       | 0CC220CK41A   | 22PF 1608 50V 5% R/TP NP0        |
|    | CB603      | 0CC102CK41A   | 1000PF 1608 50V 5% R/TP NP0      |
|    | CB605      | 0CC102CK41A   | 1000PF 1608 50V 5% R/TP NP0      |
|    | CB606      | 0CC102CK41A   | 1000PF 1608 50V 5% R/TP NP0      |
|    | CB611      | 0CC102CK41A   | 1000PF 1608 50V 5% R/TP NP0      |
|    | CB614      | 0CC102CK41A   | 1000PF 1608 50V 5% R/TP NP0      |
|    | CB616      | 0CC102CK41A   | 1000PF 1608 50V 5% R/TP NP0      |
|    | CB624      | 0CC102CK41A   | 1000PF 1608 50V 5% R/TP NP0      |
|    | CB630      | 0CC102CK41A   | 1000PF 1608 50V 5% R/TP NP0      |
|    | CB632      | 0CC102CK41A   | 1000PF 1608 50V 5% R/TP NP0      |
|    | CB1411     | 0CC330CK41A   | 33PF 1608 50V 5% R/TP NP0        |
|    | CB1412     | 0CC330CK41A   | 33PF 1608 50V 5% R/TP NP0        |
|    | CB1414     | 0CC101CK41A   | 100PF 1608 50V 5% R/TP NP0       |
|    | CB1908     | 0CC150CK41A   | 15PF 1608 50V 5% R/TP NP0        |
|    | CB1909     | 0CC150CK41A   | 15PF 1608 50V 5% R/TP NP0        |
|    | CB1910     | 0CC150CK41A   | 15PF 1608 50V 5% R/TP NP0        |
|    | CB1911     | 0CC150CK41A   | 15PF 1608 50V 5% R/TP NP0        |
|    | CB1912     | 0CC150CK41A   | 15PF 1608 50V 5% R/TP NP0        |
|    | CB1913     | 0CC150CK41A   | 15PF 1608 50V 5% R/TP NP0        |
| l  | CB1914     | 0CC150CK41A   | 15PF 1608 50V 5% R/TP NP0        |
|    | CB1915     | 0CC150CK41A   | 15PF 1608 50V 5% R/TP NP0        |
| l  | CB1916     | 0CC150CK41A   | 15PF 1608 50V 5% R/TP NP0        |
|    | CB601      | 0CC150CK41A   | 15PF 1608 50V 5% R/TP NP0        |
|    | CB604      | 0CC150CK41A   | 15PF 1608 50V 5% R/TP NP0        |
|    | C1003      | 0CC102CK41A   | 1000PF 1608 50V 5% R/TP NP0      |
|    | C1005      | 0CC102CK41A   | 1000PF 1608 50V 5% R/TP NP0      |
|    | C1007      | 0CC102CK41A   | 1000PF 1608 50V 5% R/TP NP0      |
|    | C102       | 0CC220CK41A   | 22PF 1608 50V 5% R/TP NP0        |
|    | C1201      | 0CC270CK41A   | 27PF 1608 50V 5% R/TP NP0        |
|    | C1202      | 0CC270CK41A   | 27PF 1608 50V 5% R/TP NP0        |
|    | C703       | 0CC101CK41A   | 100PF 1608 50V 5% R/TP NP0       |
|    | C707       | 0CC101CK41A   | 100PF 1608 50V 5% R/TP NP0       |
|    | C714       | 0CC220CK41A   | 22PF 1608 50V 5% R/TP NP0        |
|    | C715       | 0CC220CK41A   | 22PF 1608 50V 5% R/TP NP0        |
|    | C801       | 0CC101CK41A   | 100PF 1608 50V 5% R/TP NP0       |
|    | C802       | 0CC471CK41A   | 470PF 1608 50V 5% R/TP NP0       |
|    | C804       | 0CC471CK41A   | 470PF 1608 50V 5% R/TP NP0       |
|    | C805       | 0CC101CK41A   | 100PF 1608 50V 5% R/TP NP0       |
|    | C806       | 0CC471CK41A   | 470PF 1608 50V 5% R/TP NP0       |
|    | C808       | 0CC471CK41A   | 470PF 1608 50V 5% R/TP NP0       |
|    | C904       | 0CC331CK41A   | 330PF 1608 50V 5% R/TP NP0       |
|    | C904       | 0CC331CK41A   | 330PF 1608 50V 5% R/TP NP0       |
|    | CB1006     |               | 1000PF 1608 50V 5% R/TP NP0      |
|    | CB1000     |               | 220PF 1608 50V 5% R/TP NP0       |
|    | CB1007     |               | 1000PF 1608 50V 5% R/TP NP0      |
|    | CB1008     |               | 220PF 1608 50V 5% R/TP NP0       |
|    | CB1010     |               | 1000PF 1608 50V 5% R/TP NP0      |
|    | CB1011     |               | 1000PF 1608 50V 5% R/TP NP0      |
|    | CB1201     |               | 10PF 1608 50V 5% R/TP NP0        |
|    |            |               |                                  |

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| *S | *AL | LOC. NO.         | PART NO.                   | DESCRIPTION / SPECIFICATION                                  |
|    |     | 004000           | 00040001444                | 40DE 4000 F0V F0V D/TD ND0                                   |
|    |     | CB1203<br>CB1204 | 0CC100CK41A<br>0CC100CK41A | 10PF 1608 50V 5% R/TP NP0<br>10PF 1608 50V 5% R/TP NP0       |
|    |     | CB1204           | 0CC100CK41A                | 10PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1203           | 0CC100CK41A                | 100PF 1608 50V 5% R/TP NP0                                   |
|    |     | CB1402           | 0CC300CK41A                | 30PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1403           | 0CC300CK41A                | 30PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1404           | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1405           | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1406           | 0CC561CK41A                | 560PF 1608 50V 5% NP0 R/TP                                   |
|    |     | CB608            | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB618            | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB901            | 0CC220CK41A                | 22PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB902            | 0CC220CK41A                | 22PF 1608 50V 5% R/TP NP0                                    |
|    |     | C1101            | 0CC050CK11A                | 5PF 1608 50V 0.5 PF R/TP NP0                                 |
|    |     | C1102            | 0CC050CK11A                | 5PF 1608 50V 0.5 PF R/TP NP0                                 |
|    |     | C1103            | 0CC050CK11A                | 5PF 1608 50V 0.5 PF R/TP NP0<br>5PF 1608 50V 0.5 PF R/TP NP0 |
|    |     | C1104<br>C1105   | 0CC050CK11A<br>0CC050CK11A | 5PF 1608 50V 0.5 PF R/TP NP0<br>5PF 1608 50V 0.5 PF R/TP NP0 |
|    |     | C1105            | 0CC050CK11A                | 18PF 1608 50V 0.5 PF R/TP NP0                                |
|    |     | C1203            | 0CC180CK41A                | 18PF 1608 50V 5% R/TP NP0                                    |
|    |     | C1801            | 0CC270CK41A                | 27PF 1608 50V 5% R/TP NP0                                    |
|    |     | C1802            | 0CC270CK41A                | 27PF 1608 50V 5% R/TP NP0                                    |
|    |     | C1906            | 0CC681CK41A                | 680PF 1608 50V 5% NP0 R/TP                                   |
|    |     | C1907            | 0CC220CK41A                | 22PF 1608 50V 5% R/TP NP0                                    |
|    |     | C1908            | 0CC681CK41A                | 680PF 1608 50V 5% NP0 R/TP                                   |
|    |     | C301             | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | C302             | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | C303             | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | C304             | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | C401             | 0CC270CK41A                | 27PF 1608 50V 5% R/TP NP0                                    |
|    |     | C402             | 0CC270CK41A<br>0CC150CK41A | 27PF 1608 50V 5% R/TP NP0<br>15PF 1608 50V 5% R/TP NP0       |
|    |     | C504<br>C505     | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1404           | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1405           | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1406           | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1407           | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1408           | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1409           | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1410           | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1415           | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1801           | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1803           | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB1804           | 0CC150CK41A<br>0CC150CK41A | 15PF 1608 50V 5% R/TP NP0<br>15PF 1608 50V 5% R/TP NP0       |
|    |     | CB1807<br>CB1811 | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0<br>15PF 1608 50V 5% R/TP NP0       |
|    |     | CB1907           | 0CC102CK41A                | 1000PF 1608 50V 5% R/TP NP0                                  |
|    |     | CB2001           | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB2002           | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB2003           | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB2004           | 0CC330CK41A                | 33PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB402            | 0CC220CK41A                | 22PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB406            | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB602            | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB603            | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB605            | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                    |
|    |     | CB606            | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                    |
|    |     | CP1001           | 0CE106VF6DC                | 10UF MV 16V 20% R/TP(SMD) SM                                 |
|    |     | CP1002<br>CP1003 | 0CE226WJ6DC<br>0CE226WJ6DC | 22UF MVK 35V 20% R/TP(SMD) S<br>22UF MVK 35V 20% R/TP(SMD) S |
|    |     | CP1003           | 0CE226WJ6DC                | 22UF MVK 35V 20% R/TP(SMD) S<br>22UF MVK 35V 20% R/TP(SMD) S |
|    |     | CP1006           | 0CE106VF6DC                | 10UF MV 16V 20% R/TP(SMD) SM                                 |
|    |     | 3. 1000          | 33213371300                | .35. W 104 2070 W 11 (OWD) OW                                |

|    |     |                  |                            | DATE: 2005, 01, 10,  |
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| *S | *AL | LOC. NO.         | PART NO.                   | DESCRIPTION / SPECIFICATION                                  |
|    | Ī . |                  |                            |  |
|    |     | CP1009           | 0CE107WJ6DC                | 100UF MVK 35V 20% R/TP(SMD)                                  |
|    |     | CP1010           | 0CE226WJ6DC                | 22UF MVK 35V 20% R/TP(SMD) S                                 |
|    |     | CP1012           | 0CE226WJ6DC                | 22UF MVK 35V 20% R/TP(SMD) S                                 |
|    |     | CP1015           | 0CE107WJ6DC                | 100UF MVK 35V 20% R/TP(SMD)                                  |
|    |     | CP1101           | 0CE476WK6DC                | 47UF MVK 50V 20% R/TP(SMD) S                                 |
|    |     | CP1102           | 0CE107WJ6DC                | 100UF MVK 35V 20% R/TP(SMD)                                  |
|    |     | CP1301           | 0CE226WJ6DC                | 22UF MVK 35V 20% R/TP(SMD) S<br>22UF MVK 35V 20% R/TP(SMD) S |
|    |     | CP1302<br>CP1303 | 0CE226WJ6DC                | 22UF MVK 35V 20% R/TP(SMD) S<br>22UF MVK 35V 20% R/TP(SMD) S |
|    |     | CP1303           | 0CE226WJ6DC                | 22UF MVK 35V 20% R/TP(SMD) S                                 |
|    |     | CP1305           | 0CE226WJ6DC                | 22UF MVK 35V 20% R/TP(SMD) S                                 |
|    |     | CP1401           | 0CE106VF6DC                | 10UF MV 16V 20% R/TP(SMD) SM                                 |
|    |     | CP1402           | 0CE226WJ6DC                | 22UF MVK 35V 20% R/TP(SMD) S                                 |
|    |     | CP601            | 0CE107WF6DC                | 100UF MVK 16V 20% R/TP(SMD)                                  |
|    |     | CP602            | 0CE107WF6DC                | 100UF MVK 16V 20% R/TP(SMD)                                  |
|    |     | CP603            | 0CE107WF6DC                | 100UF MVK 16V 20% R/TP(SMD)                                  |
|    |     | CP604            | 0CE475WJ6DC                | 4.7UF MVK 35V 20% R/TP(SMD)                                  |
|    |     | CP605            | 0CE475WJ6DC                | 4.7UF MVK 35V 20% R/TP(SMD)                                  |
|    |     | CP606            | 0CE107WF6DC                | 100UF MVK 16V 20% R/TP(SMD)                                  |
|    |     | CP608            | 0CE107WF6DC                | 100UF MVK 16V 20% R/TP(SMD)                                  |
|    |     | CP609            | 0CE227VF6DC                | 220UF MV 16V 20% R/TP(SMD) S                                 |
|    |     | CP701            | 0CE106VF6DC                | 10UF MV 16V 20% R/TP(SMD) SM                                 |
|    |     | CP702            | 0CE106VF6DC                | 10UF MV 16V 20% R/TP(SMD) SM<br>10UF MV 16V 20% R/TP(SMD) SM |
|    |     | CP703<br>CP704   | 0CE106VF6DC<br>0CE106VF6DC | 10UF MV 16V 20% R/TP(SMD) SM<br>10UF MV 16V 20% R/TP(SMD) SM |
|    |     | CP704            | 0CE106VF6DC                | 10UF MV 16V 20% R/TP(SMD) SM                                 |
|    |     | CP706            | 0CE106VF6DC                | 10UF MV 16V 20% R/TP(SMD) SM                                 |
|    |     | CP707            | 0CH8337C611                | 330UF 6.3V 20% 85STD (CYL) R                                 |
|    |     | CP801            | 0CE107WF6DC                | 100UF MVK 16V 20% R/TP(SMD)                                  |
|    |     | CP802            | 0CE107WF6DC                | 100UF MVK 16V 20% R/TP(SMD)                                  |
|    |     | CP805            | 0CE476WK6DC                | 47UF MVK 50V 20% R/TP(SMD) S                                 |
|    |     | CP901            | 0CE107WF6DC                | 100UF MVK 16V 20% R/TP(SMD)                                  |
|    |     | CP902            | 0CE107WF6DC                | 100UF MVK 16V 20% R/TP(SMD)                                  |
|    |     | CP903            | OCE107WF6DC                | 100UF MVK 16V 20% R/TP(SMD)                                  |
|    |     | CP904            | 0CE107WF6DC                | 100UF MVK 16V 20% R/TP(SMD)                                  |
|    |     | U1002            | 0CE106VF6DC                | 10UF MV 16V 20% R/TP(SMD) SM<br>10UF MV 16V 20% R/TP(SMD) SM |
|    |     | C1202<br>CP1101  | 0CE106VF6DC<br>0CH8226F691 | 22UF 16V 20% 105STD (CYL) R/                                 |
|    |     | CP1101           | 0CH8226F691                | 10UF MV 16V 20% R/TP(SMD) SM                                 |
|    |     | CP1301           | 0CH8226F691                | 22UF 16V 20% 105STD (CYL) R/                                 |
|    |     | CP1304           |                            | 10UF 16V 20% 105STD (CYL) R/                                 |
|    |     | CP1307           | 0CH8106F691                | 10UF 16V 20% 105STD (CYL) R/                                 |
|    |     | CP1308           | 0CE337WF6DC                | 330UF MVK 16V 20% R/TP(SMD)                                  |
|    |     | CP1309           | 0CE337WF6DC                | 330UF MVK 16V 20% R/TP(SMD)                                  |
|    |     | CP1310           | 0CH8226F691                | 22UF 16V 20% 105STD (CYL) R/                                 |
|    |     | CP1311           | 0CH8226F691                | 22UF 16V 20% 105STD (CYL) R/                                 |
|    |     | CP1501           | 0CE106VF6DC                | 10UF MV 16V 20% R/TP(SMD) SM                                 |
|    |     | CP1601           | 0CE106VF6DC                | 10UF MV 16V 20% R/TP(SMD) SM                                 |
|    |     | CP1602           | 0CE106VF6DC                | 10UF MV 16V 20% R/TP(SMD) SM                                 |
|    |     | CP1603           | 0CH8106F691                | 10UF 16V 20% 105STD (CYL) R/                                 |
|    |     | CP1801<br>CP1802 | 0CH8226F691<br>0CH8226F691 | 22UF 16V 20% 105STD (CYL) R/<br>22UF 16V 20% 105STD (CYL) R/ |
|    |     | CP1802           | 0CH8226F691<br>0CH8227D611 | 220F 16V 20% 105STD (CYL) R/<br>220UF 10V 20% 85STD (CYL) R/ |
|    |     | CP1901           | 0CH8227D611                | 10UF MV 16V 20% 85STD (CTL) R/                               |
|    |     | CP1902           | 0CE106VF6DC                | 10UF MV 16V 20% R/TP(SMD) SM<br>10UF MV 16V 20% R/TP(SMD) SM |
|    |     | IODEs            |                            |  |
|    | U   | IODES            |                            |  |
|    |     | D1001            | 0DRON00198B                | MBRD835LT4G ON SEMI R/TP D-P                                 |
|    |     | D1003            | 0DRDI00158A                | "SMAJ16A-(F),LF DIODES R/TP S"                               |
|    |     | D1102            | 0DRGS00199A                | UF4001 GENERAL SEMICONDUCTOR                                 |
|    |     | D1002            | 0DRDI00118A                | "B130LB-(F),LF DIODES R/TP SM"                               |

| *S | * ^ 1 | LOC NO         | DARTNO                     | DATE: 2005. 01. 10.   |
|----|-------|----------------|----------------------------|---|
| 3  | AL    | LOC. NO.       | PART NO.                   | DESCRIPTION / SPECIFICATION                                   |
|    |       | D1004          | 0DRDI00118A                | "B130LB-(F),LF DIODES R/TP SM"                                |
|    |       | U1414          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1416          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1418          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1420          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1422          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1301          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1302          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1304          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D501           | 0DSGF00019A                | 1N4148 GULF TP DO35 100V 0.1                                  |
|    |       | D1401          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1402          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1403          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1404          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1405<br>U1406 | 0DS226009AA<br>0DS226009AA | KDS226 TP KEC SOT-23 80V 30<br>KDS226 TP KEC SOT-23 80V 30    |
|    |       | U1407          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1407          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1413          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1415          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1417          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1419          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U1421          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | U605           | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1303          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1305          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1401          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1402          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1403          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1404          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1405<br>D1406 | 0DS226009AA<br>0DS226009AA | KDS226 TP KEC SOT-23 80V 30<br>KDS226 TP KEC SOT-23 80V 30    |
|    |       | D1406          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1407          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1409          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1411          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1413          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1801          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1802          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D1901          | 0DSDI00078A                | "BAT54C-(F),LF DIODES R/TP SO"                                |
|    |       | D2011          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D2012          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D2013          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D2014          | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                   |
|    |       | D901           | 0DSDI00108A<br>0DSDI00108A | "BAS70-(F),LF DIODES R/TP SOT" "BAS70-(F),LF DIODES R/TP SOT" |
|    |       | D902<br>D802   | 0DSD100108A<br>0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D802<br>D803   | 0DZ560009DA<br>0DZ560009DA | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D803           | 0DZ560009DA                | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D805           | 0DZ560009DA                | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D806           | 0DZ560009DA                | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D807           | 0DZ560009DA                | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D808           | 0DZ560009DA                | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D809           | 0DZ560009DA                | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D810           | 0DZ560009DA                | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D811           | 0DZ560009DA                | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D901           | 0DZ560009DA                | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D902           | 0DZ560009DA                | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D903           | 0DZ560009DA                | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D904           | 0DZ560009DA                | UDZ S 5.6B TP ROHM-K SOD323                                   |
|    |       | D1101          | 0DZ330009DF                | MTZJ33B TP ROHM K DO34 0.5W                                   |
|    |       | D1103          | 0DZ330009DF                | MTZJ33B TP ROHM-K DO34 0.5W                                   |

|    |     |                |                            | DATE: 2005. 01. 10.  |
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| *S | *AL | LOC. NO.       | PART NO.                   | DESCRIPTION / SPECIFICATION                                  |
|    | IC  | •              |                            |  |
|    |     |                |                            |  |
|    |     | U1401          | 0IKE702900G                | KIA7029AF SOT-89 TP 2.9V VOL                                 |
|    |     | U1409          | 0IKE702900G                | KIA7029AF SOT-89 TP 2.9V VOL                                 |
|    |     | U604           | 0IKE702900G                | KIA7029AF SOT-89 TP 2.9V VOL                                 |
|    |     | U1903          | OILNRML004A                | MIC39300-2.5BU MICREL 3PIN T                                 |
|    |     | U301<br>U701   | 0IMMRMR027B<br>0IMMRSG050A | MX29LV320ABTC-70 MACRONIX 48<br>M25P10-AVMN6TP SGS-THOMSON S |
|    |     | U1502          | 0IMMRFU005C                | "MBM29DL64DF-70TN-E,LF FUJITS"                               |
|    |     | U201           | OIMMRSS107A                | K4S281632F-TL75 SAMSUNG ELE                                  |
|    |     | U202           | 0IMMRSS107A                | K4S281632F-TL75 SAMSUNG ELE                                  |
|    |     | U501           | 0IMMRHY033C                | HY57V643220DT-6 HYNIX 86P TS                                 |
|    |     | U601           | 0IMMRSS040C                | S524A60X51(SCT0) SAMSUNG ELE                                 |
|    |     | U1001          | 0IMMRHY060C                | HY5DU561622DTP-D43-A HYNIX 6                                 |
|    |     | U1002          | 0IMMRHY060C                | HY5DU561622DTP-D43-A HYNIX 6                                 |
|    |     | U1202          | 0IMCRMJ009A                | "CS8954 MYSON 44P,PQFP ST GEN"                               |
|    |     | U1101          | 0ITH638300B                | THC63LVDM83R THINE ELECTRONI                                 |
|    |     | U101           | 0IPRPSS004A                | S3C2800 SAMSUNG ELECTRONICS                                  |
|    |     | U1201          | 0IPRPTI041A                | CDCVF2505 TEXAS INSTRUMENT 8                                 |
|    |     | U1202          | 0IPRPCY013A                | CY25812ZXCT(50MHZ) CYPRESS 8                                 |
|    |     | U502           | 0IPRPC3001A                | "CX23416-12 CONEXANT 233P,BGA"                               |
|    |     | U603           | 0IPRPMN003C                | VCT49XYF C7(NTSC+PAL) MICRON                                 |
|    |     | U701           | 0IPRPTI042A                | PCM1802 TEXAS INSTRUMENT 20P                                 |
|    |     | U702           | 0IPRPM3002B                | "MST9883C-110 MSTAR 80P,LQFP"                                |
|    |     | U1301          | 0IPRPTI063A                | TPA6011A4PWP TEXAS INSTRUMEN                                 |
|    |     | U1302          | 0IPRPWM007A                | "WM8728SEDS WOLFSON SSOP,20P"                                |
|    |     | U1801          | 0IPRPCY013A                | CY25812ZXCT(50MHZ) CYPRESS 8                                 |
|    |     | U1802          | 0IPRPTI041A                | CDCVF2505 TEXAS INSTRUMENT 8                                 |
|    |     | U1905          | 0IPRPNS040A                | LP3470M5-4.63 NATIONAL SEMIC                                 |
|    |     | U201           | 0IPRP6D001A                | "EM8620L,REV C SIGMA DESIGN 4"                               |
|    |     | U1001          | 0IPMGFA003D                | FAN1117AS-1.8 FAIRCHILD 4P S                                 |
|    |     | U1003<br>U1004 | 0IPMGNS001F<br>0IPMGFA003D | LM1117MPX-ADJ NATIONAL SEMIC<br>FAN1117AS-1.8 FAIRCHILD 4P S |
|    |     | U1004          | 0IPMGLT024A                | LTC1628CG-PGTRPBF LINEAR TEC                                 |
|    |     | U1901          | 0IPMGML030A                | "MIC49150BMM MICREL 8P,MSOP R"                               |
|    |     | U1904          | 0IPMGNS031A                | LM2737MTC NATIONAL SEMICONDU                                 |
|    |     | U1007          | 0ISS780800J                | "KA78M08R 3P,D-PAK TP VOL. RE"                               |
|    |     | U1503          | 0ISTLON035A                | "MC74LVX245DTR2 ON SEMI 20P.T"                               |
|    |     | U1504          | 0ISTLON036A                | "MC74LVX573DTR2 ON SEMI 20P.T"                               |
|    |     | U1505          | 0ISTLON035A                | "MC74LVX245DTR2 ON SEMI 20P,T"                               |
|    |     | U1506          | 0ISTLON035A                | "MC74LVX245DTR2 ON SEMI 20P,T"                               |
|    |     | U1507          | 0ISTLON035A                | "MC74LVX245DTR2 ON SEMI 20P,T"                               |
|    |     | U1411          | 0ISTLON034A                | "MC74LVX14DTR2 ON SEMI 14P,TS"                               |
|    |     | U1412          | 0ISTLON034A                | "MC74LVX14DTR2 ON SEMI 14P,TS"                               |
|    |     | U402           | 0ISTLTI074A                | SN74AC00DR TEXAS INSTRUMENT                                  |
|    |     | U1201          | 0ISTLON034A                | "MC74LVX14DTR2 ON SEMI 14P,TS"                               |
|    |     | U1401          | 0ISTLON034A                | "MC74LVX14DTR2 ON SEMI 14P,TS"                               |
|    |     | U1806          | 0ISTLON034A                | "MC74LVX14DTR2 ON SEMI 14P,TS"                               |
|    |     | :OII & CC      | ORE & INDUCTO              | DR   |
|    |     | J.L & 00       |                            | <u> </u>   |
|    |     | L1101          | 150-985B                   | DR8*11 2.4MH 0.16MM 270.5T                                   |
|    |     | L1004          | 6140TBZ007H                | "SLF12575T-6R8N5R9,TDK SMD, 6"                               |
|    |     | L1007          | 6140TBZ007H                | "SLF12575T-6R8N5R9,TDK SMD, 6"                               |
|    |     | L1901          | 6140TBZ047B                | "RLF7030T-3R3M4R1,TDK,SMD, 3."                               |
|    |     | L1902          | 6140TBZ047A                | "RLF7030T-1R0N6R4, TDK SMD, 1"                               |
|    |     | L701           | 6210TCE001F                | HB-1S2012-800JT CERATEC 2012                                 |
|    |     | L1001          | 6210TCE001G                | HH-1M3216-501 CERATEC 3216MM                                 |
|    |     | L1002          | 6210TCE001G                | HH-1M3216-501 CERATEC 3216MM                                 |
|    |     | L1003          | 6210TCE001G                | HH-1M3216-501 CERATEC 3216MM                                 |
|    |     | L1005          | 6210TCE001G                | HH-1M3216-501 CERATEC 3216MM                                 |
|    |     | L1006          | 6210TCE001G                | HH-1M3216-501 CERATEC 3216MM                                 |
|    |     | L101           | 6210TCE001G                | HH-1M3216-501 CERATEC 3216MM                                 |
|    |     |                |                            |  |

| *S *AL LOC. NO. PART NO. DESCRIPTION / SPECIFICATION  L102 6210TCE001G HH-1M3216-501 CERATEC 32 L1103 6210TCE001G HH-1M3216-501 CERATEC 32 L1104 6210TCE001G HH-1M3216-501 CERATEC 32 L1201 6210TCE001G HH-1M3216-501 CERATEC 32 L1301 6210TCE001G HH-1M3216-501 CERATEC 32 L1301 6210TCE001G HH-1M3216-501 CERATEC 32 L401 6210TCE001G HH-1M3216-501 CERATEC 32 | 216MM<br>216MM |  |  |  |  |  |  |
|--|----------------|--|--|--|--|--|--|
| L102 6210TCE001G HH-1M3216-501 CERATEC 32 L1102 6210TCE001G HH-1M3216-501 CERATEC 32 L1103 6210TCE001G HH-1M3216-501 CERATEC 32 L1104 6210TCE001G HH-1M3216-501 CERATEC 32 L1201 6210TCE001G HH-1M3216-501 CERATEC 32 L1301 6210TCE001G HH-1M3216-501 CERATEC 32   | 216MM<br>216MM |  |  |  |  |  |  |
| L1102 6210TCE001G HH-1M3216-501 CERATEC 32 L1103 6210TCE001G HH-1M3216-501 CERATEC 32 L1104 6210TCE001G HH-1M3216-501 CERATEC 32 L1201 6210TCE001G HH-1M3216-501 CERATEC 32 L1301 6210TCE001G HH-1M3216-501 CERATEC 32   | 216MM          |  |  |  |  |  |  |
| L1103 6210TCE001G HH-1M3216-501 CERATEC 32<br>L1104 6210TCE001G HH-1M3216-501 CERATEC 32<br>L1201 6210TCE001G HH-1M3216-501 CERATEC 32<br>L1301 6210TCE001G HH-1M3216-501 CERATEC 32   |                |  |  |  |  |  |  |
| L1104 6210TCE001G HH-1M3216-501 CERATEC 32<br>L1201 6210TCE001G HH-1M3216-501 CERATEC 32<br>L1301 6210TCE001G HH-1M3216-501 CERATEC 32   | 216MM          |  |  |  |  |  |  |
| L1201 6210TCE001G HH-1M3216-501 CERATEC 32<br>L1301 6210TCE001G HH-1M3216-501 CERATEC 32   |                |  |  |  |  |  |  |
| L1301 6210TCE001G HH-1M3216-501 CERATEC 32   | 216MM          |  |  |  |  |  |  |
|  | 216MM          |  |  |  |  |  |  |
|  | 216MM          |  |  |  |  |  |  |
|  |                |  |  |  |  |  |  |
| L402   6210TCE001G   HH-1M3216-501 CERATEC 32  |                |  |  |  |  |  |  |
| L703   6210TCE001G   HH-1M3216-501 CERATEC 32  |                |  |  |  |  |  |  |
| L801 6210TCE001F HB-1S2012-800JT CERATEC   |                |  |  |  |  |  |  |
| L803 6210TCE001P HB-1S2012-121JT CERATECH  |                |  |  |  |  |  |  |
| L804   6210TCE001F   HB-1S2012-800JT CERATEC<br>  L805   6210TCE001P   HB-1S2012-121JT CERATECH  |                |  |  |  |  |  |  |
| L806   6210TCE001F   HB-1S2012-1213T CERATEC   |                |  |  |  |  |  |  |
| L807   6210TCE001F   HB-1S2012-800JT CERATEC   |                |  |  |  |  |  |  |
| L901 6210TCE001G HH-1M3216-501 CERATEC 32  |                |  |  |  |  |  |  |
| L605 0LC1032101A 10UH 10% 3216 R/TC FI-C321  |                |  |  |  |  |  |  |
| L609 OLC1032101A 10UH 10% 3216 R/TC FI-C321  |                |  |  |  |  |  |  |
| L610 0LC1032101A 10UH 10% 3216 R/TC FI-C321  | -              |  |  |  |  |  |  |
| L1105 OLC1032101A 10UH 10% 3216 R/TC FI-C321   | -              |  |  |  |  |  |  |
| L601   0LC1032101A   10UH 10% 3216 R/TC FI-C321  | 16-            |  |  |  |  |  |  |
| L602 0LC1032101A 10UH 10% 3216 R/TC FI-C321  |                |  |  |  |  |  |  |
| L603   0LC1032101A   10UH 10% 3216 R/TC FI-C321  | 16-            |  |  |  |  |  |  |
| L604 0LC1032101A 10UH 10% 3216 R/TC FI-C321  | 16-            |  |  |  |  |  |  |
| L606   0LC1032101A   10UH 10% 3216 R/TC FI-C321  | 16-            |  |  |  |  |  |  |
| L607   0LC1032101A   10UH 10% 3216 R/TC FI-C321  | 16-            |  |  |  |  |  |  |
| L608 OLC1032101A 10UH 10% 3216 R/TC FI-C321  |                |  |  |  |  |  |  |
| L808   0LC1032101A   10UH 10% 3216 R/TC FI-C321  |                |  |  |  |  |  |  |
| L809   0LC1032101A   10UH 10% 3216 R/TC FI-C321  |                |  |  |  |  |  |  |
| L810   0LC1032101A   10UH 10% 3216 R/TC FI-C321  |                |  |  |  |  |  |  |
| L811   0LC1032101A   10UH 10% 3216 R/TC FI-C321  | 16-            |  |  |  |  |  |  |
| FILTER   |                |  |  |  |  |  |  |
|  |                |  |  |  |  |  |  |
| FB601   6210TCE0013   - CERATEC R/TP HB1M1608-   | 121J           |  |  |  |  |  |  |
| L403   6200J00005N   HH-1M2012-121 CERATECH I  | -              |  |  |  |  |  |  |
| L702   6200J00005N   HH-1M2012-121 CERATECH I  |                |  |  |  |  |  |  |
| FB1002   6200J00005H   HB-1S1608-200JT CERATECH  |                |  |  |  |  |  |  |
| FB1101   6200J00005R   HB-1M1608-501JT CERATEC   |                |  |  |  |  |  |  |
| FB1102 6200J00005T HB-1S1608-400JT CERATECH  |                |  |  |  |  |  |  |
| FB1103 6200J00005T HB-1S1608-400JT CERATECH  |                |  |  |  |  |  |  |
| FB1104 6200J00005T HB-1S1608-400JT CERATECH  |                |  |  |  |  |  |  |
| FB1105   6200J00005T   HB-1S1608-400JT CERATECH<br>  FB1106   6200J00005T   HB-1S1608-400JT CERATECH   |                |  |  |  |  |  |  |
| FB1106   6200J00005T   HB-1S1608-400JT CERATECH<br>  FB1107   6200J00005T   HB-1S1608-400JT CERATECH   |                |  |  |  |  |  |  |
| FB1107   62003000051   HB-1S1606-40031 CERATECF  |                |  |  |  |  |  |  |
| FB1109 6200J00005T HB-1S1608-400JT CERATECH  |                |  |  |  |  |  |  |
| FB1110 6200J00005T HB-1S1608-400JT CERATECH  |                |  |  |  |  |  |  |
| FB1111 6200J0005T HB-1S1608-400JT CERATECH   |                |  |  |  |  |  |  |
| FB1301 6200J00005H HB-1S1608-200JT CERATECH  |                |  |  |  |  |  |  |
| FB1302 6200J00005E HH-1M2012-601JT CERATEC   |                |  |  |  |  |  |  |
| FB1303 6200J00005F HB-1M1608-102JT CERATEC   |                |  |  |  |  |  |  |
| FB1304 6200J00005F HB-1M1608-102JT CERATEC   | R/TP           |  |  |  |  |  |  |
| FB1305 6210TCE001S HU-1M2012-121 CERATECH 2  | 2012M          |  |  |  |  |  |  |
| FB1401 6200J00005S HH-1M2012-301JT CERATEC   | H R/T          |  |  |  |  |  |  |
| FB1402 6200J00005S HH-1M2012-301JT CERATEC   | H R/T          |  |  |  |  |  |  |
| FB1403 6200J00005S HH-1M2012-301JT CERATEC   |                |  |  |  |  |  |  |
| FB1901   6200J00005H   HB-1S1608-200JT CERATECH  |                |  |  |  |  |  |  |
| FB1902 6210TCE0013 - CERATEC R/TP HB1M1608-  |                |  |  |  |  |  |  |
| FB1903 6210TCE0013 - CERATEC R/TP HB1M1608-  |                |  |  |  |  |  |  |
| FB301 6200J00005H HB-1S1608-200JT CERATECH   |                |  |  |  |  |  |  |
| FB302 6200J00005H HB-1S1608-200JT CERATECH   | H R/T          |  |  |  |  |  |  |

|    | DATE: 2005. 01. 10. |                |                 |  |  |
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| *S | *AL                 | LOC. NO.       | PART NO.        | DESCRIPTION / SPECIFICATION                                  |  |
|    |                     |                |                 |  |  |
|    |                     | FB602          | 6210TCE0013     | - CERATEC R/TP HB1M1608-121J                                 |  |
|    |                     | FB603          | 6210TCE0013     | - CERATEC R/TP HB1M1608-121J                                 |  |
|    |                     | FB801          | 6200J00005H     | HB-1S1608-200JT CERATECH R/T                                 |  |
|    |                     | FB902          | 6200J00005H     | HB-1S1608-200JT CERATECH R/T                                 |  |
|    |                     | U802           | 6200QL3002F     | "X6966M EPCOS ST SIP5K, 6200Q"                               |  |
|    |                     | 0002           | 6200QL3002F     | 70900W EPCO3 31 31F3K, 0200Q                                 |  |
|    | F                   | ET & TRA       | ANSISTOR        |  |  |
|    |                     |                |                 |  |  |
|    |                     | 114404         | 07540250044     | CLADSEDY TO TEMIC 20V 6 4 A                                  |  |
|    |                     | U1101          | 0TF492509AA     | SI4925DY TP TEMIC 30V 6.1A                                   |  |
|    |                     | U1103          | 0TF492509AA     | SI4925DY TP TEMIC 30V 6.1A                                   |  |
|    |                     | Q601           | 0TR390609FA     | KST3906-MTF TP SAMSUNG SOT2                                  |  |
|    |                     | Q602           | 0TR390609FA     | KST3906-MTF TP SAMSUNG SOT2                                  |  |
|    |                     | Q603           | 0TR390609FA     | KST3906-MTF TP SAMSUNG SOT2                                  |  |
|    |                     | Q1102          | 0TR322809AB     | KTC3228-Y(KTC2383) TP KEC TO                                 |  |
|    |                     | Q1101          | 0TR387500AA     | CHIP 2SC3875S(ALY) BK KEC -                                  |  |
|    |                     | Q1106          | 0TR387500AA     | CHIP 2SC3875S(ALY) BK KEC -                                  |  |
|    |                     | Q604           | 0TR390409AE     | FAIRCHILD KST3904(LGEMTF) TP                                 |  |
|    |                     | Q801           | 0TR390409AE     | FAIRCHILD KST3904(LGEMTF) TP                                 |  |
|    |                     | Q901           | 0TR150400BA     | CHIP 2SA1504S(ASY) BK KEC -                                  |  |
|    |                     | Q902           | 0TR387500AA     | CHIP 2SC3875S(ALY) BK KEC -                                  |  |
|    |                     | Q903           | 0TR150400BA     | CHIP 2SA1504S(ASY) BK KEC -                                  |  |
|    |                     | Q904           | 0TR387500AA     | CHIP 2SC3875S(ALY) BK KEC -                                  |  |
|    |                     | Q905           | 0TR387500AA     | CHIP 2SC3875S(ALY) BK KEC -                                  |  |
|    |                     | Q906           | 0TR150400BA     | CHIP 2SA1504S(ASY) BK KEC -                                  |  |
|    |                     | Q1401          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1107          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1108          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1403          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1404          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1405          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q802           | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | U1005          | 0TFFC80037A     | FDS6982S FAIRCHILD R/TP SO-8                                 |  |
|    |                     | U1008          | 0TFFC80037A     | FDS6982S FAIRCHILD R/TP SO-8                                 |  |
|    |                     | Q1201          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1202          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1301          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1301          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1302          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1303          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1304<br>Q1306 | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V<br>2N7002 DIODES R/TP SOT23 60V |  |
|    |                     | Q1300          |                 | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     |                | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V<br>2N7002 DIODES R/TP SOT23 60V |  |
|    |                     | Q1401          | 0TFDI80001A     |  |  |
|    |                     | Q1402          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1901          | 0TFVI80039A     | SI4965DY(DUAL P-CH) VISHAY R                                 |  |
|    |                     | Q1902          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1903          | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q1904          | 0TFVI80039A     | SI4965DY(DUAL P-CH) VISHAY R                                 |  |
|    |                     | Q1905          | 0TFVI80046A     | SI4826DY(DUAL N-CH) VISHAY R                                 |  |
|    |                     | Q401           | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    |                     | Q402           | 0TFDI80001A     | 2N7002 DIODES R/TP SOT23 60V                                 |  |
|    | L                   | <u></u>        |                 |  |  |
|    | R                   | ESISTOF        | Rs              |  |  |
|    |                     | RA101          | 0RHZTCZ001F     | RCA SMART 4.7KOHM 1/16 W 5%                                  |  |
|    |                     | RA102          | 0RHZTCZ001F     | RCA SMART 4.7KOHM 1/16 W 5%                                  |  |
|    |                     | RA201          | 0RHZTCZ001D     | RCA86TRJ22R0 SMART 22OHM 1/1                                 |  |
|    |                     | RA202          | 0RHZTCZ001D     | RCA86TRJ22R0 SMART 22OHM 1/1                                 |  |
|    |                     | RA203          | 0RHZTCZ001D     | RCA86TRJ22R0 SMART 22OHM 1/1                                 |  |
|    |                     | RA204          | 0RHZTCZ001D     | RCA86TRJ22R0 SMART 22OHM 1/1                                 |  |
|    |                     | RA205          | 0RHZTCZ001D     | RCA86TRJ22R0 SMART 22OHM 1/1                                 |  |
|    |                     | RA205          | 0RHZTCZ001D     | RCA86TRJ22R0 SMART 22OHM 1/1                                 |  |
|    |                     | RA200          | 0RHZTCZ001D     | RCA86TRJ22R0 SMART 22OHM 1/1                                 |  |
|    | l                   |                | 3.11.2.1.32001D |  |  |

|    |     |                  |                            | DATE: 2005. 01. 10.  |
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| *S | *AL | LOC. NO.         | PART NO.                   | DESCRIPTION / SPECIFICATION                                  |
|    |     | RA208            | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA402            | 0RHZTCZ001B                | RCA SMART 4.7KOHM 1/16 W 5%                                  |
|    |     | RA404            | 0RHZTCZ001F                | RCA SMART 4.7KOHM 1/16 W 5%                                  |
|    |     | RA502            | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA505            | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA509            | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA511            | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA601            | 0RHZTCZ001G                | RCA SMART 00HM 1/16 W 5% 321                                 |
|    |     | RA602            | 0RHZTCZ001G                | RCA SMART 00HM 1/16 W 5% 321                                 |
|    |     | RA701            | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA702            | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA1001           | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA1002           | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA1003           | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA1004<br>RA1005 | 0RHZTCZ001D<br>0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1<br>RCA86TRJ22R0 SMART 22OHM 1/1 |
|    |     | RA1005           | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA1007           | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA1008           | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | R1003            | 0RZZTTA002E                | MPS HMR 0.01OHM 1 W 1% 6432                                  |
|    |     | R1023            | 0RZZTTA002E                | MPS HMR 0.01OHM 1 W 1% 6432                                  |
|    |     | RA407            | 0RHZTCZ001F                | RCA SMART 4.7KOHM 1/16 W 5%                                  |
|    |     | RA501            | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA504            | 0RHZTCZ001D                | RCA86TRJ22R0 SMART 22OHM 1/1                                 |
|    |     | RA507            | 0RHZTCZ001F                | RCA SMART 4.7KOHM 1/16 W 5%                                  |
|    |     | RA508            | 0RHZTCZ001F                | RCA SMART 4.7KOHM 1/16 W 5%                                  |
|    |     | RA510            | 0RHZTCZ001D<br>0RHZTCZ001D | RCA86TRJ22R0 SMART 22OHM 1/1<br>RCA86TRJ22R0 SMART 22OHM 1/1 |
|    |     | RA512<br>RA201   | 0RHZTCZ001D                | RCA SMART 10KOHM 1/16 W 5% 3                                 |
|    |     | RA201            | 0RHZTCZ001M                | RCA SMART 10KOHM 1/16 W 5% 3                                 |
|    |     | R101             | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                    |
|    |     | R102             | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                    |
|    |     | R105             | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                  |
|    |     | R108             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R109             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R1203            | 0RJ4702D677                | 47000 OHM 1/10 W 5% 1608 R/T                                 |
|    |     | R1215            | 0RJ8201D677                | 8.2K OHM 1/10 W 5% 1608 R/TP                                 |
|    |     | R1302            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                    |
|    |     | R1303<br>R1304   | 0RJ0000D677<br>0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP<br>0 OHM 1/10 W 5% 1608 R/TP       |
|    |     | R1304            | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                  |
|    |     | R1402            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                    |
|    |     | R1415            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                    |
|    |     | R1417            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                    |
|    |     | R1423            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                    |
|    |     | R201             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R202             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R203             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R204             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R205             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R206<br>R207     | 0RJ0222D677<br>0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP<br>22 OHM 1/10 W 5% 1608 R/TP     |
|    |     | R207             | 0RJ0222D677<br>0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R209             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R210             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R211             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R212             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R213             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R214             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R301             | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |     | R303             | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                    |
|    |     | R304             | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                   |

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| *S | *AL   | LOC. NO.     | PART NO.                   | DESCRIPTION / SPECIFICATION                                |
|    |       | R305         | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|    |       | R406         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R509         | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|    |       | R513         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R604         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R605         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R606         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R607         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R608<br>R611 | 0RJ1000D677<br>0RJ0332D677 | 100 OHM 1/10 W 5% 1608 R/TP<br>33 OHM 1/10 W 5% 1608 R/TP  |
|    |       | R612         | 0RJ0332D677<br>0RJ0332D677 | 33 OHM 1/10 W 5% 1608 R/TP                                 |
|    |       | R613         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R614         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R615         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R616         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R617         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R618         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R619         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R620         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R627<br>R628 | 0RJ0000D677<br>0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP<br>0 OHM 1/10 W 5% 1608 R/TP     |
|    |       | R629         | 0RJ0000D677<br>0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP                                 |
|    |       | R631         | 0RJ0822D677                | 82 OHM 1/10 W 5% 1608 R/TP                                 |
|    |       | R632         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R633         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R634         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R635         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R636         | 0RJ1500D677                | 150 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R637         | 0RJ2200D677                | 220 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R638         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R639<br>R640 | 0RJ1000D677<br>0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP<br>100 OHM 1/10 W 5% 1608 R/TP |
|    |       | R641         | 0RJ1500D677                | 150 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R642         | 0RJ1500D677                | 150 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R643         | 0RJ0822D677                | 82 OHM 1/10 W 5% 1608 R/TP                                 |
|    |       | R644         | 0RJ0822D677                | 82 OHM 1/10 W 5% 1608 R/TP                                 |
|    |       | R649         | 0RJ2200D677                | 220 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R650         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R651         | 0RJ2200D677                | 220 OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R661         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R662         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R663<br>R664 | 0RJ0000D677<br>0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP<br>0 OHM 1/10 W 5% 1608 R/TP     |
|    |       | R703         | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R705         | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R707         | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R709         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R710         | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|    |       | R711         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R712         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R713         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R716         | 0RJ3301D677                | 3.3K OHM 1/10 W 5% 1608 R/TP                               |
|    |       | R718         | 0RH0222D622                | 22 OHM 1 / 10 W 2012 5.00% D                               |
|    |       | R719         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP<br>100 OHM 1/10 W 5% 1608 R/TP |
|    |       | R720<br>R812 | 0RJ1000D677<br>0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|    |       | R813         | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|    |       | R934         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | R935         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |       | RD102        | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                 |
|    |       | RD1403       | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                 |
|    |       | RD606        | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |

| *0            | + 4.1 | 100 110          | DARTHO                     | DATE: 2005. 01. 10.  |
|---------------|-------|------------------|----------------------------|--|
| *S            | *AL   | LOC. NO.         | PART NO.                   | DESCRIPTION / SPECIFICATION                                |
|               |       | RD607            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|               |       | RD608            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|               |       | RD609            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|               |       | RD610            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|               |       | RD611            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|               |       | RD612            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|               |       | RD613            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|               |       | RD614            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU1002           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|               |       | RU102            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU104            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU106            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU107            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU1402           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU1403<br>RU1404 | 0RJ1002D677<br>0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP<br>10K OHM 1/10 W 5% 1608 R/TP |
|               |       | RU1404           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 K/TP                                |
|               |       | RU1410           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                               |
|               |       | RU401            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU402            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU404            | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                               |
|               |       | RU405            | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                               |
|               |       | RU406            | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                               |
|               |       | RU407            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU409            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU601            | 0RJ3301D677                | 3.3K OHM 1/10 W 5% 1608 R/TP                               |
|               |       | RU602            | 0RJ3301D677                | 3.3K OHM 1/10 W 5% 1608 R/TP                               |
|               |       | RU603            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | R1003<br>R1004   | 0RJ0222D677<br>0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP<br>22 OHM 1/10 W 5% 1608 R/TP   |
|               |       | R1004            | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1006            | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1012            | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1013            | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1014            | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1015            | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1016            | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1017            | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1505            | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1601            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|               |       | R1602            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP<br>0 OHM 1/10 W 5% 1608 R/TP     |
|               |       | R1604<br>R1605   | 0RJ0000D677<br>0RJ0000D677 | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|               |       | R1606            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|               |       | R2001            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|               |       | R2002            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|               |       | RU1301           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU1302           | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | RU1601           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU1602           |                            | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU1604           |                            | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU1606           |                            | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | RU2001           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                |
|               |       | R1002<br>R1004   | 0RJ0000D677<br>0RJ0102D677 | 0 OHM 1/10 W 5% 1608 R/TP<br>10 OHM 1/10 W 5% 1608 R/TP    |
|               |       | R1004            | 0RJ0102D677                | 10 OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1005            | 0RJ0102D677                | 10 OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1007            | 0RJ0102D677                | 10 OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1008            | 0RJ0102D677                | 10 OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1009            | 0RJ0102D677                | 10 OHM 1/10 W 5% 1608 R/TP                                 |
|               |       | R1010            | 0RJ1004D477                | 1M OHM 1/10 W 1% 1608 R/TP                                 |
|               |       | R1011            | 0RJ6342D477                | 63.4K OHM 1/10 W 1% 1608 R/T                               |
| $\overline{}$ |       |                  |                            |  |

| R1012 0RJ2002D677 20000 OHM 1/10 W 5% 1608 R/TP R1015 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1016 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1017 0RJ1004D477 11 OHM 1/10 W 5% 1608 R/TP R1018 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1019 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1019 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1020 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1020 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1021 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1022 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1021 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R107 0RJ0222D677 20 OHM 1/10 W 5% 1608 R/TP R1106 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1106 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1106 0RJ0102D677 200 OHM 1/10 W 5% 1608 R/TP R1106 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1107 0RJ1001D677 10 OHM 1/10 W 5% 1608 R/TP R1108 0RJ2000D677 200 OHM 1/10 W 5% 1608 R/TP R1110 0RJ000D677 100 OHM 1/10 W 5% 1608 R/TP R1110 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1112 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1112 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1112 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1112 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1120 0RJ000D677 100 OHM 1/10 W 5% 1608 R/TP R1121 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ000D677 100 OHM 1/10 W 5% 1608 R/TP R1220 0RJ4702D677 100 OHM 1/10 W 5% 1608 R/TP R1220 0RJ4702D677 100 OHM 1/10 W 5% 1608 R/TP R1200 0RJ4702D677 100 OHM 1/10 W 5% 1608 R/TP R1200 0RJ4702D677 100 OHM 1/10 W 5% 1608 R/TP R1200 0RJ48201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5%  |       |
|--|-------|
| R1012 0RJ2002D677 20000 OHM 1/10 W 5% 1608 R/TP R1015 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1016 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1017 0RJ1004D477 1M OHM 1/10 W 5% 1608 R/TP R1018 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1019 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1020 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1021 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1022 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1022 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1022 0RJ0102D677 20 OHM 1/10 W 5% 1608 R/TP R1021 0RJ0102D677 20 OHM 1/10 W 5% 1608 R/TP R1020 0RJ0102D677 20 OHM 1/10 W 5% 1608 R/TP R1010 0RJ020D677 20 OHM 1/10 W 5% 1608 R/TP R1101 0RJ2000D677 200 OHM 1/10 W 5% 1608 R/TP R1105 0RJ4700D677 470 OHM 1/10 W 5% 1608 R/TP R1106 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1107 0RJ1001D677 10 OHM 1/10 W 5% 1608 R/TP R1108 0RJ2000D677 200 OHM 1/10 W 5% 1608 R/TP R1110 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1112 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP R1113 0RJ000D677 100 OHM 1/10 W 5% 1608 R/TP R1114 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP R1115 0RJ2200D677 20 OHM 1/10 W 5% 1608 R/TP R1116 0RJ3300D677 100 OHM 1/10 W 5% 1608 R/TP R1116 0RJ3300D677 100 OHM 1/10 W 5% 1608 R/TP R1112 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1112 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1120 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1121 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1220 0RJ4702D677 100 OHM 1/10 W 5% 1608 R/TP R1200 0RJ4702D677 100 OHM 1/10 W 5% 1608 R/TP R1200 0RJ4702D677 100 OHM 1/10 W 5% 1608 R/TP R1200 0RJ4702D677 100 OHM 1/10 W 5% 1608 R/TP R1200 0RJ4702D677 100 OHM 1/10 W 5% 1608 R/TP R1200 0RJ4702D677 100 OHM 1/10 W 5% 1608 R/TP R1200 0RJ4702D677 100 OHM 1/10 W 5% 1608 R/TP R1200 0RJ4702D677 100 OHM 1/10 W 5% 16 | . 10. |
| R1014  |       |
| R1014  |       |
| R1015 0RJ0102D677 R1016 0RJ0102D677 R1017 0RJ1004D477 R1018 0RJ0102D677 R1019 0RJ0102D677 R1019 0RJ0102D677 R1019 0RJ0102D677 R1019 0RJ0102D677 R1004M 1/10 W 5% 1608 R/TP R1020 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1021 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1022 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1022 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1022 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1022 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R107 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R1101 0RJ2000D677 200 OHM 1/10 W 5% 1608 R/TP R1106 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1107 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R1108 0RJ2000D677 200 OHM 1/10 W 5% 1608 R/TP R1109 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1110 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1112 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1115 0RJ2000D677 220 OHM 1/10 W 5% 1608 R/TP R1116 0RJ30300D677 330 OHM 1/10 W 5% 1608 R/TP R1117 0RJ1500D677 10K OHM 1/10 W 5% 1608 R/TP R1118 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1119 0RJ1001D677 10K OHM 1/10 W 5% 1608 R/TP R1119 0RJ1001D677 10K OHM 1/10 W 5% 1608 R/TP R1120 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1121 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1123 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1124 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1125 0RJ0000D677 100 OHM 1/10 W 5% 1608 R/TP R1126 0RJ0000D677 100 OHM 1/10 W 5% 1608 R/TP R1127 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 10K OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 10K OHM 1/10 W 5% 1608 R/TP R1203 0RJ4702D677 10K OHM 1/10 W 5% 1608 R/TP R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 82K OHM 1/10 W 5% 1608 R/T |       |
| R1016  |       |
| R1017  |       |
| R1018 ORJ0102D677 R1019 ORJ0102D677 R1020 ORJ0102D677 R1021 ORJ0102D677 R1022 ORJ0102D677 R1021 ORJ0102D677 R1022 ORJ0102D677 R107 ORJ022D677 R107 ORJ022D677 R107 ORJ022D677 R1101 ORJ0102D677 R1101 ORJ0102D677 R1102 ORJ0102D677 R1107 ORJ022D677 R1108 ORJ0102D677 R1109 ORJ0102D677 R1109 ORJ0102D677 R1100 ORJ0102D677 R1100 ORJ0102D677 R1100 ORJ0102D677 R1100 ORJ0102D677 R1110 ORJ010D677 R1110 ORJ0100D677 R11110 ORJ0100D677 R11111 ORJ0100D677 R11112 ORJ1002D677 R11113 ORJ0100D677 R1114 ORJ1002D677 R1115 ORJ2200D677 R1116 ORJ3300D677 R1117 ORJ1500D677 R1118 ORJ1002D677 R1119 ORJ1002D677 R1119 ORJ1002D677 R1119 ORJ1002D677 R1119 ORJ1002D677 R11120 ORJ010D677 R11121 ORJ010D677 R11121 ORJ010D677 R1122 ORJ010D677 R1123 ORJ1002D677 R1124 ORJ1002D677 R1125 ORJ000D677 R1126 ORJ000D677 R1127 ORJ100D677 R1128 ORJ1002D677 R1129 ORJ1002D677 R1120 ORJ000D677 R11210 ORJ010D677 R11210 ORJ010D677 R1122 ORJ010D677 R1123 ORJ1002D677 R1124 ORJ1002D677 R1125 ORJ000D677 R1126 ORJ000D677 R1127 ORJ100D677 R1128 ORJ1002D677 R1129 ORJ000D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 ORJ000D677 R1202 ORJ000D677 R1202 ORJ000D677 R1203 ORJ000D677 R1204 ORJ000D677 R1205 ORJ000D677 R1206 ORJ000D677 R1207 OHM 1/10 W 5% 1608 R/TP R1208 ORJ000D677 R1208 ORJ000D677 R1208 ORJ000D677 R1208 ORJ000D677 R1208 ORJ000D677 R1208 ORJ000D677 R1209 ORJ000D677 R1209 ORJ000D677 R1209 ORJ000D677 R1209 ORJ000D677 R1200 ORJ000D677 R120 |       |
| R1019 ORJ0102D677  |       |
| R1020 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1021 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R102 0RJ0102D677 22 OHM 1/10 W 5% 1608 R/TP R107 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP R1105 0RJ4700D677 470 OHM 1/10 W 5% 1608 R/TP R1106 0RJ0102D677 10 OHM 1/10 W 5% 1608 R/TP R1107 0RJ1001D677 10 OHM 1/10 W 5% 1608 R/TP R1108 0RJ2000D677 200 OHM 1/10 W 5% 1608 R/TP R1110 0RJ1000D677 10 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1112 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1112 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1120 0RJ1000D677 10 OHM 1/10 W 5% 1608 R/TP R1121 0RJ1000D677 10 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 10 OHM 1/10 W 5% 1608 R/TP R1123 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1124 0RJ1000D677 10 OHM 1/10 W 5% 1608 R/TP R1125 0RJ000D677 10 OHM 1/10 W 5% 1608 R/TP R1126 0RJ000D677 10 OHM 1/10 W 5% 1608 R/TP R1127 0RJ1000D677 10 OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 10 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 10 OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 10 OHM 1/10 W 5% 1608 R/TP R1203 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1204 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10 OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R |       |
| R1021 0RJ0102D677 R1022 0RJ0102D677 R107 0RJ0222D677 R1101 0RJ2000D677 R1105 0RJ4700D677 R1106 0RJ0102D677 R1107 0RJ1001D677 R1108 0RJ2000D677 R1109 0RJ2000D677 R1109 0RJ2000D677 R1100 0RJ1001D677 R1100 0RJ1000D677 R1110 0RJ2000D677 R1100 0RJ2000D677 R1100 0RJ1000D677 R1101 0RJ2000D677 R1102 0RJ1000D677 R1110 0RJ1000D677 R1110 0RJ1000D677 R1111 0RJ1000D677 R1111 0RJ1000D677 R1111 0RJ100D677 R1112 0RJ100D677 R1112 0RJ100D677 R1113 0RJ100D677 R1114 0RJ100D677 R1115 0RJ200D677 R1112 0RJ100D677 R1112 0RJ100D677 R1112 0RJ100D677 R1112 0RJ100D677 R1120 0RJ100D677 R1121 0RJ100D677 R1122 0RJ100D677 R1123 0RJ100D677 R1124 0RJ100D677 R1125 0RJ000D677 R1126 0RJ000D677 R1127 0RJ100D677 R1128 0RJ100D677 R1129 0RJ4702D677 R1120 0RJ4702D677 R1120 0RJ4702D677 R1120 0RJ400D677 R1200 0RM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1202 0RJ4702D677 R1203 0RJ4002D677 R1204 0RJ1002D677 R1205 0RJ4002D677 R1206 0RJ4002D677 R1207 0RJ8201D677 R1208 0RJ8201D677 R1209 0RJ8201D677 R1209 0RJ8201D677 R1200 ORJ8201D677 R1200 ORJ8201 |       |
| R1022 0RJ0102D677 R107 0RJ0222D677 R1101 0RJ2000D677 R1105 0RJ4700D677 R1106 0RJ0102D677 R1106 0RJ0102D677 R1107 0RJ1001D677 R1108 0RJ2000D677 R1109 0RJ1001D677 R1110 0RJ1000D677 R1110 0RJ1000D677 R1110 0RJ1000D677 R1111 0RJ1000D677 R1112 0RJ1000D677 R1120 0RJ1000D677 R1120 0RJ4702D677 R1120 0RJ4702D677 R1120 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1200 0RJ4702D677 R1200 OHM 1/10 W 5% 1608 R/TP R1201 0RJ48201D677 R1200 OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 R1200 ORJ8201D677 R1200  |       |
| R107   |       |
| R1101 0RJ2000D677  |       |
| R1105 0RJ4700D677 R1106 0RJ0102D677 R1107 0RJ1001D677 R1108 0RJ2000D677 R1110 0RJ1000D677 R1110 0RJ1000D677 R11110 0RJ1000D677 R11110 0RJ1000D677 R11111 0RJ1000D677 R11111 0RJ1000D677 R11111 0RJ1000D677 R1111 0RJ1002D677 R1112 0RJ1002D677 R1112 0RJ1002D677 R1112 0RJ1002D677 R1112 0RJ1000D677 R1112 0RJ1000D677 R1112 0RJ1000D677 R1112 0RJ1000D677 R1112 0RJ1000D677 R1112 0RJ000D677 R1112 0RJ000D677 R1112 0RJ000D677 R1112 0RJ000D677 R1112 0RJ000D677 R1120 0RJ000D677 R1120 0RJ000D677 R1120 0RJ000D677 R1120 0RJ4702D677 R1120 0RJ4702D677 R1200 0HM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 R100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ48201D677 R1200 ORJ8201D677 R1200 ORJ8 |       |
| R1106 0RJ0102D677 R1107 0RJ1001D677 R1108 0RJ2000D677 200 OHM 1/10 W 5% 1608 R/TP R1110 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1111 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1111 0RJ200D677 10K OHM 1/10 W 5% 1608 R/TP R1111 0RJ200D677 10K OHM 1/10 W 5% 1608 R/TP R1111 0RJ200D677 10K OHM 1/10 W 5% 1608 R/TP R1111 0RJ300D677 10K OHM 1/10 W 5% 1608 R/TP R1111 0RJ1500D677 150 OHM 1/10 W 5% 1608 R/TP R1111 0RJ100D677 150 OHM 1/10 W 5% 1608 R/TP R1112 0RJ100D677 10K OHM 1/10 W 5% 1608 R/TP R1121 0RJ100D677 10O OHM 1/10 W 5% 1608 R/TP R1122 0RJ100D677 10O OHM 1/10 W 5% 1608 R/TP R1123 0RJ1002D677 10O OHM 1/10 W 5% 1608 R/TP R1124 0RJ100D677 10O OHM 1/10 W 5% 1608 R/TP R1125 0RJ000D677 10O OHM 1/10 W 5% 1608 R/TP R1126 0RJ000D677 10O OHM 1/10 W 5% 1608 R/TP R1127 0RJ100D677 10O OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 10O OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 10K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K  |       |
| R1107  |       |
| R1108  |       |
| R1110 0RJ1000D677 R1112 0RJ1002D677 R1113 0RJ000D677 R1114 0RJ1002D677 R1115 0RJ2200D677 R1116 0RJ3300D677 R1117 0RJ1500D677 R1118 0RJ1002D677 R1119 0RJ1002D677 R1119 0RJ1002D677 R1110 0RJ1000D677 R1111 0RJ1000D677 R1111 0RJ1000D677 R1112 0RJ1000D677 R1112 0RJ1000D677 R1121 0RJ1000D677 R1122 0RJ1000D677 R1123 0RJ1002D677 R1124 0RJ1000D677 R1125 0RJ0000D677 R1126 0RJ0000D677 R1127 0RJ1000D677 R1128 0RJ1000D677 R1129 0RJ1000D677 R1120 0RJ000D677 R1121 0RJ000D677 R1122 0RJ000D677 R1123 0RJ000D677 R1124 0RJ1000D677 R1125 0RJ0000D677 R1126 0RJ0000D677 R1127 0RJ1000D677 R1128 0RJ1000D677 R1129 0RJ1000D677 R1120 0RJ4702D677 R1201 0RJ4702D677 R1202 0RJ4702D677 R1203 0RJ1002D677 R1204 0RJ1002D677 R1205 0RJ1002D677 R1206 0RJ1002D677 R1207 0RJ8201D677 R1208 0RJ8201D677 R1209 0RJ8201D677 R1209 0RJ8201D677 R1209 0RJ8201D677 R1200 ORJ8201D677   |       |
| R1112 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 0 OHM 1/10 W 5% 1608 R/TP 1114 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 1115 0RJ2200D677 220 OHM 1/10 W 5% 1608 R/TP 1116 0RJ3300D677 330 OHM 1/10 W 5% 1608 R/TP 1117 0RJ1500D677 150 OHM 1/10 W 5% 1608 R/TP 1118 0RJ1002D677 150 OHM 1/10 W 5% 1608 R/TP 1119 0RJ1001D677 10K OHM 1/10 W 5% 1608 R/TP 1119 0RJ1000D677 10O OHM 1/10 W 5% 1608 R/TP 1112 0RJ1000D677 10O OHM 1/10 W 5% 1608 R/TP 1122 0RJ1000D677 10O OHM 1/10 W 5% 1608 R/TP 1123 0RJ1002D677 10O OHM 1/10 W 5% 1608 R/TP 1124 0RJ1000D677 10O OHM 1/10 W 5% 1608 R/TP 1125 0RJ0000D677 10O OHM 1/10 W 5% 1608 R/TP 1126 0RJ0000D677 10O OHM 1/10 W 5% 1608 R/TP 1127 0RJ1000D677 10O OHM 1/10 W 5% 1608 R/TP 1128 0RJ1001D677 10O OHM 1/10 W 5% 1608 R/TP 1128 0RJ1001D677 10O OHM 1/10 W 5% 1608 R/TP 1129 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP 1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 1207 0RJ8201D677 10K OHM 1/10 W 5% 1608 R/TP 1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677 10K OHM 1/10 W 5% 1608 R/TP 1200 ORJ8201D677  |       |
| R1113 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP R1114 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1115 0RJ2200D677 220 OHM 1/10 W 5% 1608 R/TP R1116 0RJ3300D677 330 OHM 1/10 W 5% 1608 R/TP R1117 0RJ1500D677 150 OHM 1/10 W 5% 1608 R/TP R1118 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1119 0RJ1001D677 10K OHM 1/10 W 5% 1608 R/TP R1121 0RJ1000D677 10O OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 10O OHM 1/10 W 5% 1608 R/TP R1123 0RJ1002D677 10O OHM 1/10 W 5% 1608 R/TP R1124 0RJ1000D677 10O OHM 1/10 W 5% 1608 R/TP R1125 0RJ0000D677 10O OHM 1/10 W 5% 1608 R/TP R1126 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP R1127 0RJ1000D677 10O OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 10O OHM 1/10 W 5% 1608 R/TP R1129 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1203 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP  |       |
| R1114 0RJ1002D677 R1115 0RJ2200D677 R1116 0RJ3300D677 R1117 0RJ1500D677 R1118 0RJ1002D677 R1119 0RJ1002D677 R1119 0RJ1000D677 R1119 0RJ1000D677 R1121 0RJ1000D677 R1122 0RJ1000D677 R1123 0RJ1000D677 R1124 0RJ1000D677 R1125 0RJ000D677 R1126 0RJ0000D677 R1127 0RJ000D677 R1128 0RJ1000D677 R1129 0RJ000D677 R1120 0RJ000D677 R1120 0RJ000D677 R1121 0RJ000D677 R1122 0RJ000D677 R1124 0RJ1000D677 R1125 0RJ000D677 R1126 0RJ000D677 R1127 0RJ000D677 R1128 0RJ100D677 R1129 0RJ1000D677 R1129 0RJ1000D677 R1120 0RJ4702D677 R1201 0RJ4702D677 R1202 0RJ4702D677 R1204 0RJ1002D677 R1205 0RJ1002D677 R1206 0RJ1002D677 R1207 0RJ8201D677 R1208 0RJ8201D677 R1209 0RJ8201D677 R1209 0RJ8201D677 R1209 0RJ8201D677 R1200 ORJ8201D677 R1200 ORJ8201D677 R1209 0RJ8201D677 R1209 0RJ8201D677 R1200 ORJ8201D677   |       |
| R1115 0RJ2200D677 220 OHM 1/10 W 5% 1608 R/TP R1116 0RJ3300D677 330 OHM 1/10 W 5% 1608 R/TP R1117 0RJ1500D677 150 OHM 1/10 W 5% 1608 R/TP R1118 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1119 0RJ100D677 10O OHM 1/10 W 5% 1608 R/TP R1121 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1123 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP R1124 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1125 0RJ0000D677 100 OHM 1/10 W 5% 1608 R/TP R1126 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP R1127 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 100 OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R |       |
| R1116 0RJ3300D677 330 OHM 1/10 W 5% 1608 R/TP R1117 0RJ1500D677 150 OHM 1/10 W 5% 1608 R/TP R1118 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1119 0RJ100D677 1K OHM 1/10 W 5% 1608 R/TP R1121 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1123 0RJ1002D677 100 OHM 1/10 W 5% 1608 R/TP R1124 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1125 0RJ0000D677 100 OHM 1/10 W 5% 1608 R/TP R1126 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP R1127 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 100 OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 10K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1200 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/ |       |
| R1117 0RJ1500D677 150 OHM 1/10 W 5% 1608 R/TP R1118 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1119 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R1121 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1123 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1124 0RJ1000D677 10O OHM 1/10 W 5% 1608 R/TP R1125 0RJ0000D677 10O OHM 1/10 W 5% 1608 R/TP R1126 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP R1127 0RJ1000D677 10O OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 10O OHM 1/10 W 5% 1608 R/TP R1128 0RJ4702D677 1K OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 10K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP  |       |
| R1118 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1119 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R1121 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1123 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1124 0RJ1000D677 10O OHM 1/10 W 5% 1608 R/TP R1125 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP R1126 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP R1127 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 1K OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 10K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1201 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/T |       |
| R1119 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R1121 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1123 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1124 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1125 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP R1126 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP R1127 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 10K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP   |       |
| R1121 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1123 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1124 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1125 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP R1126 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP R1127 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 100 OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP  |       |
| R1122 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1123 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1124 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1125 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP R1126 0RJ0000D677 100 OHM 1/10 W 5% 1608 R/TP R1127 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 11K OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 10K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP  |       |
| R1123 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1124 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1125 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP 1/201 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP 1/201 0RJ4702D677 100 OHM 1/10 W 5% 1608 R/TP 1/202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP 1/204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 1/205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 1/205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 1/205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 1/205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 1/205 0RJ8201D677 10K OHM 1/ |       |
| R1124 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP 0RJ0000D677 100 OHM 1/10 W 5% 1608 R/TP 1126 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP 1201 0RJ4702D677 100 OHM 1/10 W 5% 1608 R/TP 1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP 1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP 1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP 1207 0RJ8201D677 10K OHM 1/10 W 5% 1608 R/TP 1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP 1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP  |       |
| R1125 0RJ000D677 0 OHM 1/10 W 5% 1608 R/TP R1126 0RJ000D677 0 OHM 1/10 W 5% 1608 R/TP R1127 0RJ100D677 100 OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP  |       |
| R1126 0RJ0000D677 0 OHM 1/10 W 5% 1608 R/TP R1127 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 10K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP   |       |
| R1127 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP R1128 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/TP R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/T R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP   |       |
| R1128 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP R1201 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/T R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/T R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 10K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP   |       |
| R1201 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/T R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/T R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP   |       |
| R1202 0RJ4702D677 47000 OHM 1/10 W 5% 1608 R/T R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP   |       |
| R1204 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP  |       |
| R1205 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP  |       |
| R1206 0RJ1002D677 10K OHM 1/10 W 5% 1608 R/TP R1207 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP  |       |
| R1207 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP  |       |
| R1208 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP   |       |
| R1209 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP<br>R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP   |       |
| R1210 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP   |       |
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| R1212 0RJ8201D677 8.2K OHM 1/10 W 5% 1608 R/TP   |       |
| R1213   ORJ8201D677   8.2K OHM 1/10 W 5% 1608 R/TP   |       |
| R1214   0RJ8201D677   8.2K OHM 1/10 W 5% 1608 R/TP   |       |
| R1216 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP   |       |
| R1217 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP   |       |
| R1218 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP   |       |
| R1219 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP   |       |
| R1221 0RJ1001D677 1K OHM 1/10 W 5% 1608 R/TP   |       |
| R1222   0RJ1004D477   1M OHM 1/10 W 1% 1608 R/TP   |       |
| R1223   0RJ1001D677   1K OHM 1/10 W 5% 1608 R/TP   |       |
| R1225 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP  |       |
| R1228 0RJ0222D677 22 OHM 1/10 W 5% 1608 R/TP   |       |
| R1229 0RJ0682D677 68 OHM 1/10 W 5% 1608 R/TP   |       |
| R1401 0RJ0752D677 75 OHM 1/10 W 5% 1608 R/TP   |       |
| R1407   0RJ1000D677   100 OHM 1/10 W 5% 1608 R/TP  |       |
| R1410 0RJ4701D677 4.7K OHM 1/10 W 5% 1608 R/TP   |       |
| R1411 0RJ1004D477 1M OHM 1/10 W 1% 1608 R/TP   |       |
| R1412 0RJ1000D677 100 OHM 1/10 W 5% 1608 R/TP  |       |
| R1413   0RJ0000D677   0 OHM 1/10 W 5% 1608 R/TP  |       |

|    |      |              |                            | DATE: 2005 04 40   |
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| *S | *AL  | LOC. NO.     | PART NO.                   | DATE: 2005. 01. 10.  DESCRIPTION / SPECIFICATION           |
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|    |      | R1414        | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R1421        | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R1422        | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R1428        | 0RJ0472D677                | 47 OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R1429        | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R1431        | 0RJ1003D677                | 100K OHM 1/10 W 5% 1608 R/TP                               |
|    |      | R1433        | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R307<br>R308 | 0RJ0222D677<br>0RJ0000D677 | 22 OHM 1/10 W 5% 1608 R/TP<br>0 OHM 1/10 W 5% 1608 R/TP    |
|    |      | R310         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R403         | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R404         | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R407         | 0RJ0332D677                | 33 OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R408         | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R412         | 0RJ5101D677                | 5.1K OHM 1/10 W 5% 1608 R/TP                               |
|    |      | R502         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |      | R503         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R504         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R505         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R506         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R507<br>R508 | 0RJ0222D677<br>0RJ0222D677 | 22 OHM 1/10 W 5% 1608 R/TP<br>22 OHM 1/10 W 5% 1608 R/TP   |
|    |      | R508         | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R511         | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R512         | 0RJ2702D677                | 27K OHM 1/10 W 5% 1608 R/TP                                |
|    |      | R514         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R515         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R516         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R517         | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                               |
|    |      | R630         | 0RJ2202D677                | 22K OHM 1/10 W 5% 1608 R/TP                                |
|    |      | R652         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R653         | 0RJ2701D677                | 2.7K OHM 1/10 W 5% 1608 R/TP                               |
|    |      | R654         | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R701<br>R704 | 0RJ5101D677<br>0RJ1001D677 | 5.1K OHM 1/10 W 5% 1608 R/TP<br>1K OHM 1/10 W 5% 1608 R/TP |
|    |      | R704         | 0RJ0332D677                | 33 OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R714         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |      | R715         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |      | R717         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |      | R801         | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R804         | 0RJ4703D677                | 470K OHM 1/10 W 5% 1608 R/TP                               |
|    |      | R805         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R806         | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R807         | 0RJ4703D677                | 470K OHM 1/10 W 5% 1608 R/TP                               |
|    |      | R808         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R809         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R810         | 0RJ0752D677                | 75 OHM 1/10 W 5% 1608 R/TP<br>75 OHM 1/10 W 5% 1608 R/TP   |
|    |      | R811<br>R815 | 0RJ0752D677<br>0RJ3000D677 | 75 OHM 1/10 W 5% 1608 R/TP<br>300 OHM 1/10 W 5% 1608 R/TP  |
|    |      | R816         | 0RJ0682D677                | 68 OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R817         | 0RJ8200D677                | 820 OHM 1/10 W 5% 1608 R/TP                                |
|    |      | R818         | 0RJ1501D677                | 1.5K OHM 1/10 W 5% 1608 R/TP                               |
|    |      | R819         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |      | R820         | 0RJ0562D677                | 56 OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R822         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R823         | 0RJ6801D677                | 6800 OHM 1/10 W 5% 1608 R/TP                               |
|    |      | R824         | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R825         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                |
|    |      | R826         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | R828         | 0RJ4700D677                | 470 OHM 1/10 W 5% 1608 R/TP                                |
|    |      | R901         | 0RJ0752D677                | 75 OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | R902         | 0RJ0752D677                | 75 OHM 1/10 W 5% 1608 R/TP                                 |

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| *S  | *AL | LOC. NO.        | PART NO.                   | DESCRIPTION / SPECIFICATION                                 |
|     |     | R903            | 0RH0000D622                | 0 OHM 1 / 10 W 2012 5.00% D                                 |
|     |     | R904            | 0RH0000D622                | 0 OHM 1 / 10 W 2012 5.00% D                                 |
|     |     | R905            | 0RJ0000D622                | 0 OHM 1/10 W 2012 3.00 % D                                  |
|     |     | R906            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|     |     | R907            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|     |     | R908            | 0RJ1500D677                | 150 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R909            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|     |     | R910            | 0RJ1500D677                | 150 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R911            | 0RJ4700D677                | 470 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R912            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R913            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R914            | 0RJ4700D677                | 470 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R915            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R916            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R919<br>R920    | 0RH0000D622<br>0RH0000D622 | 0 OHM 1 / 10 W 2012 5.00% D<br>0 OHM 1 / 10 W 2012 5.00% D  |
|     |     | R920            | 0RJ0752D677                | 75 OHM 1/10 W 5% 1608 R/TP                                  |
|     |     | R922            | 0RJ0472D677                | 47 OHM 1/10 W 5% 1608 R/TP                                  |
|     |     | R923            | 0RJ0752D677                | 75 OHM 1/10 W 5% 1608 R/TP                                  |
|     |     | R924            | 0RJ0752D677                | 75 OHM 1/10 W 5% 1608 R/TP                                  |
|     |     | R925            | 0RJ1500D677                | 150 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R926            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R927            | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|     |     | R928            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R930            | 0RJ4700D677                | 470 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | RD1002          |                            | 15K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | RD1003          | 0RJ1502D677                | 15K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | RD1005          | 0RJ2002D677                | 20000 OHM 1/10 W 5% 1608 R/T                                |
|     |     | RD101<br>RD1401 | 0RJ4701D677<br>0RJ3300D677 | 4.7K OHM 1/10 W 5% 1608 R/TP<br>330 OHM 1/10 W 5% 1608 R/TP |
|     |     | RD1401          | 0RJ3300D677                | 47000 OHM 1/10 W 5% 1608 R/T                                |
|     |     | RD701           | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                  |
|     |     | RU1001          | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | RU108           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | RU109           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | RU1401          | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | RU1406          | 0RJ1004D477                | 1M OHM 1/10 W 1% 1608 R/TP                                  |
|     |     | RU1411          | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                |
|     |     | RU408           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | RU701           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | RU702           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R1001           | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP<br>22 OHM 1/10 W 5% 1608 R/TP    |
|     |     | R1002<br>R1201  | 0RJ0222D677<br>0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R1201           | 0RJ000D677                 | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|     |     | R1202           | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R1204           | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R1205           | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R1206           | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R1207           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|     |     | R1208           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|     |     | R1210           | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R1211           | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                  |
|     |     | R1212           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|     |     | R1214           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R1215           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|     |     | R1217<br>R1218  | 0RJ1002D677<br>0RJ0000D677 | 10K OHM 1/10 W 5% 1608 R/TP<br>0 OHM 1/10 W 5% 1608 R/TP    |
|     |     | R1219           | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R1219           | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                 |
|     |     | R1221           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|     |     | R1223           | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                 |
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| *S | *AL | LOC. NO.       | PART NO.                   | DESCRIPTION / SPECIFICATION                                 |
|    |     | D4004          | 0D 14005D077               | 40M OUN 4/40 W 50/ 4000 D/TD                                |
|    |     | R1224<br>R1301 | 0RJ1005D677<br>0RJ1001D677 | 10M OHM 1/10 W 5% 1608 R/TP<br>1K OHM 1/10 W 5% 1608 R/TP   |
|    |     | R1301          | 0RJ1001D677                | 100K OHM 1/10 W 5% 1608 R/TP                                |
|    |     | R1302          | 0RJ1003D077                | 1K OHM 1/10 W 5% 1608 R/TP                                  |
|    |     | R1305          | 0RJ3002D477                | 30K OHM 1/10 W 1% 1608 R/TP                                 |
|    |     | R1307          | 0RJ2002D477                | 20K OHM 1/10 W 1% 1608 R/TP                                 |
|    |     | R1308          | 0RJ4991D477                | 4.99K OHM 1/10 W 1% 1608 R/T                                |
|    |     | R1309          | 0RJ1003D677                | 100K OHM 1/10 W 5% 1608 R/TP                                |
|    |     | R1310          | 0RJ2001D477                | 2K OHM 1/10 W 1% 1608 R/TP                                  |
|    |     | R1311          | 0RJ1002D477                | 10K OHM 1/10 W 1% 1608 R/TP                                 |
|    |     | R1312          | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|    |     | R1313          | 0RJ2001D477                | 2K OHM 1/10 W 1% 1608 R/TP                                  |
|    |     | R1314          | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|    |     | R1318          | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R1319          | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R1320          | 0RJ4991D477                | 4.99K OHM 1/10 W 1% 1608 R/T                                |
|    |     | R1321          | 0RJ4991D477                | 4.99K OHM 1/10 W 1% 1608 R/T                                |
|    |     | R1501          | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R1514<br>R1801 | 0RJ0000D677<br>0RJ1004D477 | 0 OHM 1/10 W 5% 1608 R/TP<br>1M OHM 1/10 W 1% 1608 R/TP     |
|    |     | R1801          | 0RJ1004D477<br>0RJ1000D677 | 100 OHM 1/10 W 1% 1608 R/TP                                 |
|    |     | R1807          | 0RJ1000D677                | 1K OHM 1/10 W 5% 1608 R/TP                                  |
|    |     | R1808          | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                  |
|    |     | R1809          | 0RJ0222D677                | 22 OHM 1/10 W 5% 1608 R/TP                                  |
|    |     | R1811          | 0RJ0392D677                | 39 OHM 1/10 W 5% 1608 R/TP                                  |
|    |     | R1812          | 0RJ0392D677                | 39 OHM 1/10 W 5% 1608 R/TP                                  |
|    |     | R1813          | 0RJ0392D677                | 39 OHM 1/10 W 5% 1608 R/TP                                  |
|    |     | R1814          | 0RJ0392D677                | 39 OHM 1/10 W 5% 1608 R/TP                                  |
|    |     | R1815          | 0RJ0392D677                | 39 OHM 1/10 W 5% 1608 R/TP                                  |
|    |     | R1901          | 0RJ1003D677                | 100K OHM 1/10 W 5% 1608 R/TP                                |
|    |     | R1902          | 0RJ1003D677                | 100K OHM 1/10 W 5% 1608 R/TP                                |
|    |     | R1905          | 0RJ6801D677                | 6800 OHM 1/10 W 5% 1608 R/TP                                |
|    |     | R1906          | 0RJ2201D677                | 2200 OHM 1/10 W 5% 1608 R/TP                                |
|    |     | R1907          | 0RJ1003D677                | 100K OHM 1/10 W 5% 1608 R/TP                                |
|    |     | R1908<br>R1909 | 0RJ2202D677<br>0RJ1501D677 | 22K OHM 1/10 W 5% 1608 R/TP<br>1.5K OHM 1/10 W 5% 1608 R/TP |
|    |     | R1910          | 0RJ0662D477                | 66.5 OHM 1/10 W 1% 1608 R/TP                                |
|    |     | R1911          | 0RJ1002D477                | 10K OHM 1/10 W 1% 1608 R/TP                                 |
|    |     | R1912          | 0RJ1002D477                | 10K OHM 1/10 W 1% 1608 R/TP                                 |
|    |     | R1913          | 0RJ1072D477                | 10.7K OHM 1/10 W 1% 1608 R/T                                |
|    |     | R201           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R202           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R203           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R204           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R205           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R206           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R207           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R402           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R404           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R406           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R408           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R410           | 0RJ0000D677<br>0RJ1000D677 | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | R412<br>R418   | 0RJ1000D677<br>0RJ1000D677 | 100 OHM 1/10 W 5% 1608 R/TP<br>100 OHM 1/10 W 5% 1608 R/TP  |
|    |     | R418<br>R419   | 0RJ1000D677<br>0RJ1004D477 | 1M OHM 1/10 W 5% 1608 R/TP                                  |
|    |     | R501           | 0RJ1004D477<br>0RJ3300D677 | 330 OHM 1/10 W 5% 1608 R/TP                                 |
|    |     | R901           | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                   |
|    |     | RD1101         | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|    |     | RD201          | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|    |     | RD202          | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|    |     | RD203          | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                 |
|    |     | RD501          | 0RJ1000D477                | 100 OHM 1/10 W 1% 1608 R/TP                                 |
|    |     | 50.            |                            |   |

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| *S | *ΔΙ  | LOC. NO.         | PART NO.                   | DESCRIPTION / SPECIFICATION                                  |
|    | / \L | LOO. 140.        | 174(1140.                  | BEOOKII HOIV/ OF EOI IO/KHOIV                                |
|    |      | RD502            | 0RJ1000D477                | 100 OHM 1/10 W 1% 1608 R/TP                                  |
|    |      | RD701            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RD703            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RD704            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU1101           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU1201           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU1202           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU1203           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1204           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1205           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1207           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1208           | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                   |
|    |      | RU1209           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1210           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1211           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1212           |                            | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1213           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1214           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1215           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1216           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1217           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1218           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1219           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP<br>4.7K OHM 1/10 W 5% 1608 R/TP |
|    |      | RU1220<br>RU1221 | 0RJ4701D677<br>0RJ4701D677 | 4.7K OHM 1/10 W 5% 1606 R/TP                                 |
|    |      | RU1221           | 0RJ4701D677<br>0RJ4701D677 | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1223           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1606 R/TP                                 |
|    |      | RU1304           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU1305           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU1401           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU1402           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU1403           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU1404           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU1406           | 0RJ1501D677                | 1.5K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1407           | 0RJ1501D677                | 1.5K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1408           | 0RJ1501D677                | 1.5K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1409           | 0RJ1501D677                | 1.5K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1501           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU1502           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU1801           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1802           | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU1901           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU1902           | 0RJ0102D677                | 10 OHM 1/10 W 5% 1608 R/TP                                   |
|    |      | RU1904           | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU201            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU202            | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                   |
|    |      | RU203            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU204            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU205            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU206            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU207            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP<br>10K OHM 1/10 W 5% 1608 R/TP   |
|    |      | RU208<br>RU209   | 0RJ1002D677<br>0RJ1002D677 | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU209<br>RU401   | 0RJ3301D677                | 3.3K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU401            | 0RJ3301D677                | 3.3K OHM 1/10 W 5% 1608 R/TP                                 |
|    |      | RU701            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU701            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU702            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    |      | RU703            | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
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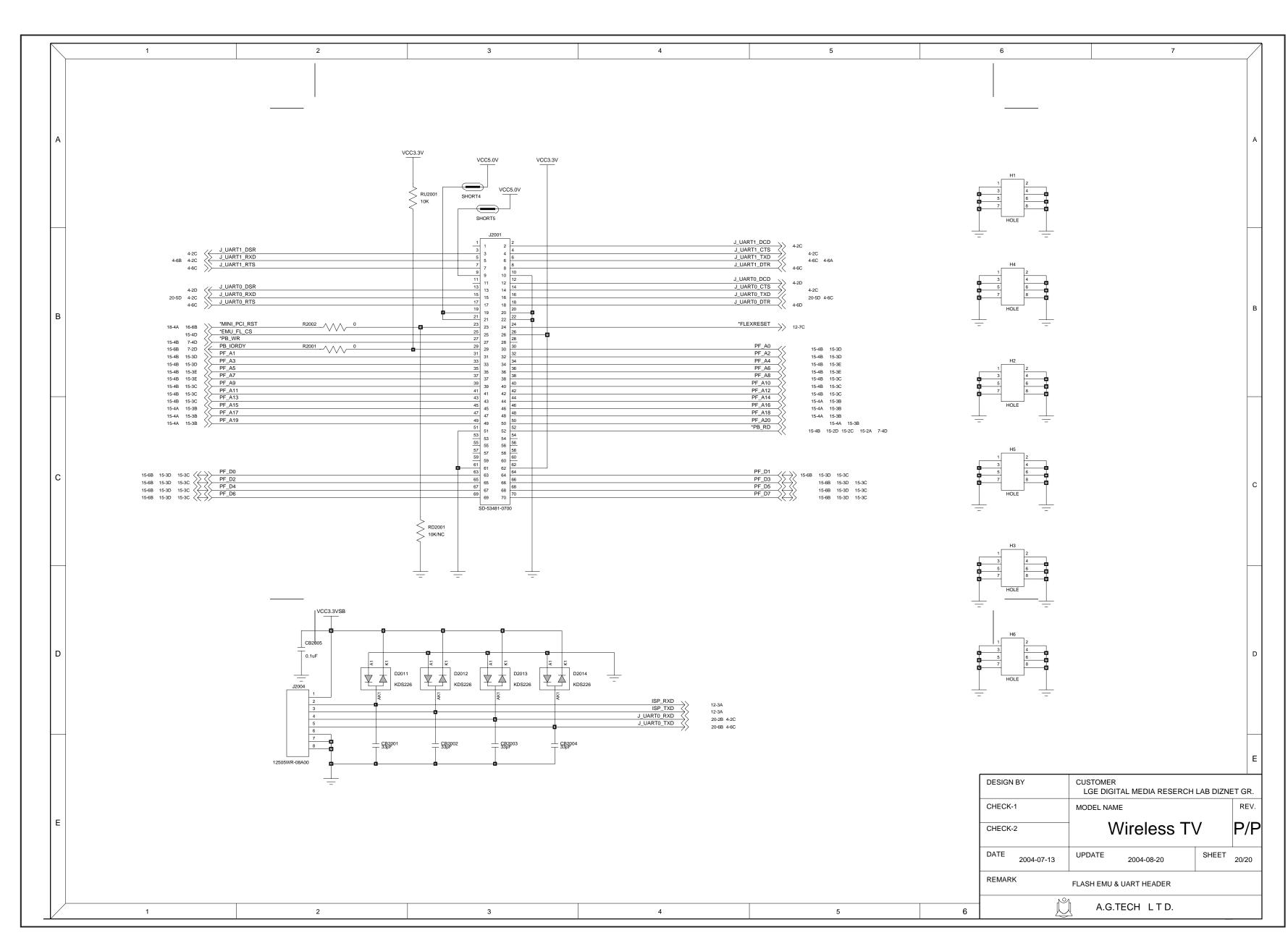
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|    |                     | V4 400           | 0000707040                 | HOV 4 OLININ OND O ONUT FORM                                   |  |  |  |  |
|    |                     | X1402            | 6202TST001C                | "SX-1, SUNNY SMD, 6.0MHZ ,50P"<br>LITEON LTL-14CDJNHBP1 BK GRE |  |  |  |  |
|    |                     | LD1401           | ODLLT0340AA                |  |  |  |  |  |
|    |                     | LD1101           | ODLBE0158AA                | BRIGHT LED ELECTRONICS BL-HB                                   |  |  |  |  |
|    |                     | LD1103           | ODLBE0158AA                | BRIGHT LED ELECTRONICS BL-HB                                   |  |  |  |  |
|    |                     | LD1107<br>LD1108 | ODLBE0158AA<br>ODLBE0158AA | BRIGHT LED ELECTRONICS BL-HB<br>BRIGHT LED ELECTRONICS BL-HB   |  |  |  |  |
|    |                     | LD1108           | ODLBE0158AA                | BRIGHT LED ELECTRONICS BL-HB                                   |  |  |  |  |
|    |                     | LD1109           | ODLBE0158AA                | BRIGHT LED ELECTRONICS BL-HB                                   |  |  |  |  |
|    |                     | X401             | 6204B48344A                | K3750HB CHUNGHO ELCOM 27.0MH                                   |  |  |  |  |
|    |                     | X701             | 6204B48344B                | K3750HC CHUNGHO ELCOM 27.0MH                                   |  |  |  |  |
|    |                     | X1201            | 6202VDT002L                | SX-1 SUNNY 16.667MHZ +/- 30                                    |  |  |  |  |
|    |                     | X601             | 6202VBT002L                | HC-49/SM5H KONY CHIP 20.25MH                                   |  |  |  |  |
|    |                     | X1201            | 6202TST003C                | HC-49/SM5H KONY CHIP 12 MHZ                                    |  |  |  |  |
|    |                     | X1201<br>X1801   | 6202VDT002L                | SX-1 SUNNY 16.667MHZ +/- 30                                    |  |  |  |  |
|    |                     | X401             | 62027ST001H                | SX-1 SUNNY 27MHZ +/- 30 PPM                                    |  |  |  |  |
|    |                     | SW1401           |                            | JTP1212BS NAMAE 12VDC 50MA V                                   |  |  |  |  |
|    |                     | SW1401<br>SW1802 |                            | SKQGACE010 J-ALPS NON 12V 50                                   |  |  |  |  |
|    |                     | TU801            | 6700VS0003D                | TAEW-G052P LGIT MULTI VS RCA                                   |  |  |  |  |
|    |                     | 10001            | 57 00 V 00003D             | MEN COSE ESTIMOETI VOINGA                                      |  |  |  |  |
|    | Р                   | OWER B           | OARD                       |  |  |  |  |  |
|    | С                   | APACITO          | OR .                       |  |  |  |  |  |
|    |                     |                  |                            |  |  |  |  |  |
|    |                     | CP201            | 0CH8476J611                | 47UF 35V M 85STD (CYL) R/TP                                    |  |  |  |  |
|    |                     | CB206            | 0CH3104K946                | 100000PF 50V Z F 2012 R/TP                                     |  |  |  |  |
|    |                     | CB220            | 0CH3104K946                | 100000PF 50V Z F 2012 R/TP                                     |  |  |  |  |
|    |                     | CB221            | 0CH3104K946                | 100000PF 50V Z F 2012 R/TP                                     |  |  |  |  |
|    |                     | CB313            | 0CH3104K946                | 100000PF 50V Z F 2012 R/TP                                     |  |  |  |  |
|    |                     | CB202            | 0CZZTCT006C                | C3225Y5V1E106Z TDK 25V 10UF                                    |  |  |  |  |
|    |                     | CB203            | 0CZZTCT006C                | C3225Y5V1E106Z TDK 25V 10UF                                    |  |  |  |  |
|    |                     | CB311            | 0CZZTCT006C                | C3225Y5V1E106Z TDK 25V 10UF                                    |  |  |  |  |
|    |                     | CB312            | 0CZZTCT006C                | C3225Y5V1E106Z TDK 25V 10UF                                    |  |  |  |  |
|    |                     | CP302            | 0CZZTST002B                | EEFUDOG181R MATSUSHITA 4V 18                                   |  |  |  |  |
|    |                     | CP303            | 0CZZTST002D                | EEFUD0J151R MATSUSHITA 6.3V                                    |  |  |  |  |
|    |                     | C201             | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | C202             | 0CK104CK56A<br>0CK474CH94A | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | C203             |                            | "0.47UF 1608 25V 80%,-20% R/T"                                 |  |  |  |  |
|    |                     | C204             | 0CK474CH94A                | "0.47UF 1608 25V 80%,-20% R/T"<br>0.01UF 1608 50V 10% R/TP B(Y |  |  |  |  |
|    |                     | C301<br>C306     | 0CK103CK51A<br>0CK104CK56A | 0.1UF 1608 50V 10% R/TP X/TR                                   |  |  |  |  |
|    |                     | C307             | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X/R                                    |  |  |  |  |
|    |                     | CB201            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | CB201            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X/R<br>0.1UF 1608 50V 10% R/TP X/R     |  |  |  |  |
|    |                     | CB204<br>CB205   | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | CB207            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | CB207            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | CB209            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | CB210            | 0CK105CD56A                | 1UF 1608 10V 10% R/TP X7R                                      |  |  |  |  |
|    |                     | CB211            | 0CK105CD56A                | 1UF 1608 10V 10% R/TP X7R                                      |  |  |  |  |
|    |                     | CB212            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | CB213            | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                   |  |  |  |  |
|    |                     | CB214            | 0CK103CK51A                | 0.01UF 1608 50V 10% R/TP B(Y                                   |  |  |  |  |
|    |                     | CB215            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | CB216            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | CB219            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | CB301            | 0CK105DK94A                | "1UF 2012 50V 80%,-20% R/TP F"                                 |  |  |  |  |
|    |                     | CB302            | 0CK105DK94A                | "1UF 2012 50V 80%,-20% R/TP F"                                 |  |  |  |  |
|    |                     | CB304            | 0CK222CK51A                | 2200PF 1608 50V 10% R/TP B(Y                                   |  |  |  |  |
|    |                     | CB305            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | CB306            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | CB307            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     | CB309            | 0CK104CK56A                | 0.1UF 1608 50V 10% R/TP X7R                                    |  |  |  |  |
|    |                     |                  |                            |  |  |  |  |  |

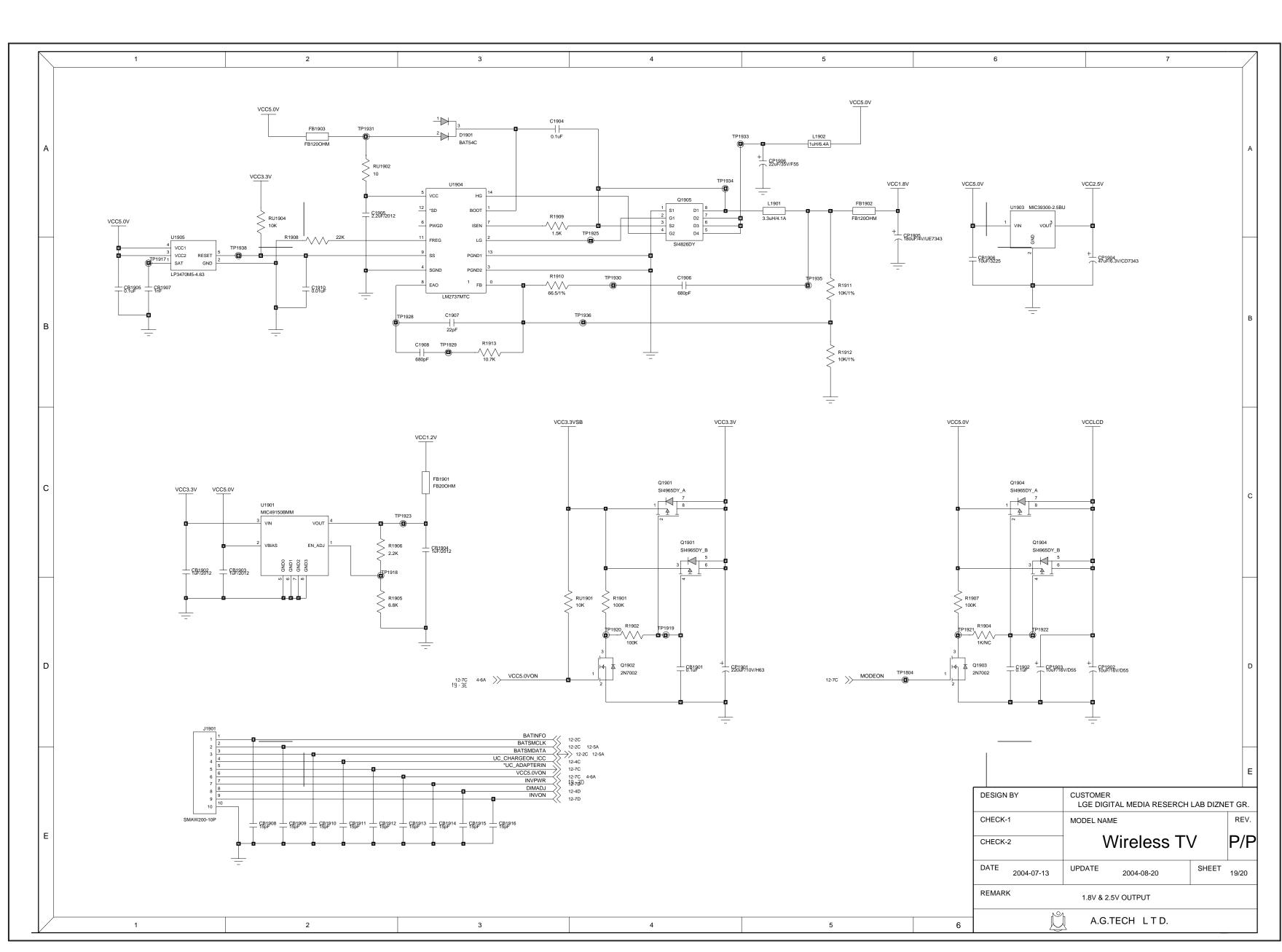
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| *S | *AL               | LOC. NO.       | PART NO.                   | DESCRIPTION / SPECIFICATION                                    |  |  |  |  |  |
|    |                   | CB310          | 0CK105CD56A                | 1UF 1608 10V 10% R/TP X7R                                      |  |  |  |  |  |
|    |                   | C302           | 0CC221CK41A                | 220PF 1608 50V 5% R/TP NP0                                     |  |  |  |  |  |
|    |                   | C302           | 0CC221CK41A                | 220PF 1608 50V 5% R/TP NP0                                     |  |  |  |  |  |
|    |                   | C304           | 0CC102CK41A                | 1000PF 1608 50V 5% R/TP NP0                                    |  |  |  |  |  |
|    |                   | C305           | 0CC102CK41A                | 1000PF 1608 50V 5% R/TP NP0                                    |  |  |  |  |  |
|    |                   | C308           | 0CC102CK41A                | 1000PF 1608 50V 5% R/TP NP0                                    |  |  |  |  |  |
|    |                   | C309           | 0CC102CK41A                | 1000PF 1608 50V 5% R/TP NP0                                    |  |  |  |  |  |
|    |                   | CB217          | 0CC221CK41A                | 220PF 1608 50V 5% R/TP NP0                                     |  |  |  |  |  |
|    | CB218             |                | 0CC221CK41A                | 220PF 1608 50V 5% R/TP NP0                                     |  |  |  |  |  |
|    |                   | CB222          | 0CC151CK41A                | 150PF 1608 50V 5% NP0 R/TP                                     |  |  |  |  |  |
|    |                   | CB223          | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                      |  |  |  |  |  |
|    |                   | CB224          | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                      |  |  |  |  |  |
|    |                   | CB225          | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                      |  |  |  |  |  |
|    |                   | CB226          | 0CC150CK41A                | 15PF 1608 50V 5% R/TP NP0                                      |  |  |  |  |  |
|    |                   | CB227<br>CB228 | 0CC150CK41A<br>0CC150CK41A | 15PF 1608 50V 5% R/TP NP0<br>15PF 1608 50V 5% R/TP NP0         |  |  |  |  |  |
|    |                   | CB228<br>CB303 | 0CC150CK41A                | 1000PF 1608 50V 5% R/TP NP0                                    |  |  |  |  |  |
|    |                   | CP203          | 0CE227WJ6DC                | 220UF MVK/RC 35V 20% SMD TAP                                   |  |  |  |  |  |
|    |                   | CP203          | 0CE227WJ6DC                | 220UF MVK/RC 35V 20% SMD TAP<br>220UF MVK/RC 35V 20% SMD TAP   |  |  |  |  |  |
|    |                   | CP306          | 0CE475WJ6DC                | 4.7UF MVK 35V 20% R/TP(SMD)                                    |  |  |  |  |  |
|    |                   | CP307          | 0CE226WJ6DC                | 22UF MVK 35V 20% R/TP(SMD) S                                   |  |  |  |  |  |
|    |                   | CP308          | 0CE226WJ6DC                | 22UF MVK 35V 20% R/TP(SMD) S                                   |  |  |  |  |  |
|    |                   | CP309          | 0CE227WJ6DC                | 220UF MVK/RC 35V 20% SMD TAP                                   |  |  |  |  |  |
|    | L                 |                |                            |  |  |  |  |  |  |
|    | D                 | IODEs          |                            |  |  |  |  |  |  |
|    |                   | D208           | 0DRDI00068A                | B0540W DIODES R/TP SOD123 40                                   |  |  |  |  |  |
|    |                   | D212           | 0DRON00198B                | MBRD835LT4G ON SEMI R/TP D-P                                   |  |  |  |  |  |
|    |                   | D301           | 0DRDI00118A                | "B130LB-(F),LF DIODES R/TP SM"                                 |  |  |  |  |  |
|    |                   | D302           | 0DRDI00118A                | "B130LB-(F),LF DIODES R/TP SM"                                 |  |  |  |  |  |
|    |                   | D303           | 0DRDI00158A                | "SMAJ16A-(F),LF DIODES R/TP S"                                 |  |  |  |  |  |
|    |                   | D209           | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                    |  |  |  |  |  |
|    |                   | D210           | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                    |  |  |  |  |  |
|    |                   | D211           | 0DS226009AA                | KDS226 TP KEC SOT-23 80V 30                                    |  |  |  |  |  |
|    |                   | D213           | 0DSDI00078A                | "BAT54C-(F),LF DIODES R/TP SO"                                 |  |  |  |  |  |
|    | IC                | ;              |                            |  |  |  |  |  |  |
|    |                   |                | <b>_</b>                   |  |  |  |  |  |  |
|    |                   | U201           | 0IPMGMX008A                | "MAX1772EEI MAXIM 28P,QSOP R/"                                 |  |  |  |  |  |
|    |                   | U301           | 0IPMGLT024A                | LTC1628CG-PGTRPBF LINEAR TEC                                   |  |  |  |  |  |
|    | С                 | OIL & CO       | ORE                        |  |  |  |  |  |  |
|    |                   |                |                            |  |  |  |  |  |  |
|    |                   | L301           | 6140TBZ007H                | "SLF12575T-6R8N5R9,TDK SMD, 6"                                 |  |  |  |  |  |
|    |                   | L302           | 6140TBZ007H                | "SLF12575T-6R8N5R9,TDK SMD, 6"                                 |  |  |  |  |  |
|    |                   | L201           | 6140VR0008B                | SLF12575T-150M3R2 15UH SMD                                     |  |  |  |  |  |
|    | F                 | ILTER          | · '                        |  |  |  |  |  |  |
|    |                   | EDOO!          | 004070500                  | WWW.4114500.404.050.4T50.400.015                               |  |  |  |  |  |
|    |                   | FB201          | 6210TCE001X                | "HU-1H4532-121 CERATEC,120 OH"                                 |  |  |  |  |  |
|    |                   | FB202<br>FB301 | 6210TCE001X<br>6210TCE0013 | "HU-1H4532-121 CERATEC,120 OH"<br>- CERATEC R/TP HB1M1608-121J |  |  |  |  |  |
|    |                   | FB301          | 6210TCE0013                | - CERATEC R/TP HB1M1608-121J                                   |  |  |  |  |  |
|    |                   |                |                            | OLIVITEO IVIT HIDIWHOUG-1213                                   |  |  |  |  |  |
|    | F                 | ET & TR/       | ANSISTOR                   |  |  |  |  |  |  |
|    |                   | 0205           | OTE 402500 A A             | CHARLEDY TO TEMIC COV. C. 4.5                                  |  |  |  |  |  |
|    |                   | Q205<br>Q206   | 0TF492509AA<br>0TF492509AA | SI4925DY TP TEMIC 30V 6.1A<br>SI4925DY TP TEMIC 30V 6.1A       |  |  |  |  |  |
|    |                   | Q206<br>Q201   | 0TFDI80001A                | 2N7002 DIODES R/TP SOT23 60V                                   |  |  |  |  |  |
|    |                   | Q201<br>Q202   | 0TFVI80014A                | VISHAY SI4404DY R/TP SO-8 30                                   |  |  |  |  |  |
|    |                   | Q202<br>Q203   | 0TFVI80014A                | SI4812DY(N-CH) VISHAY R/TP S                                   |  |  |  |  |  |
|    |                   | Q204           | 0TFDI80001A                | 2N7002 DIODES R/TP SOT23 60V                                   |  |  |  |  |  |
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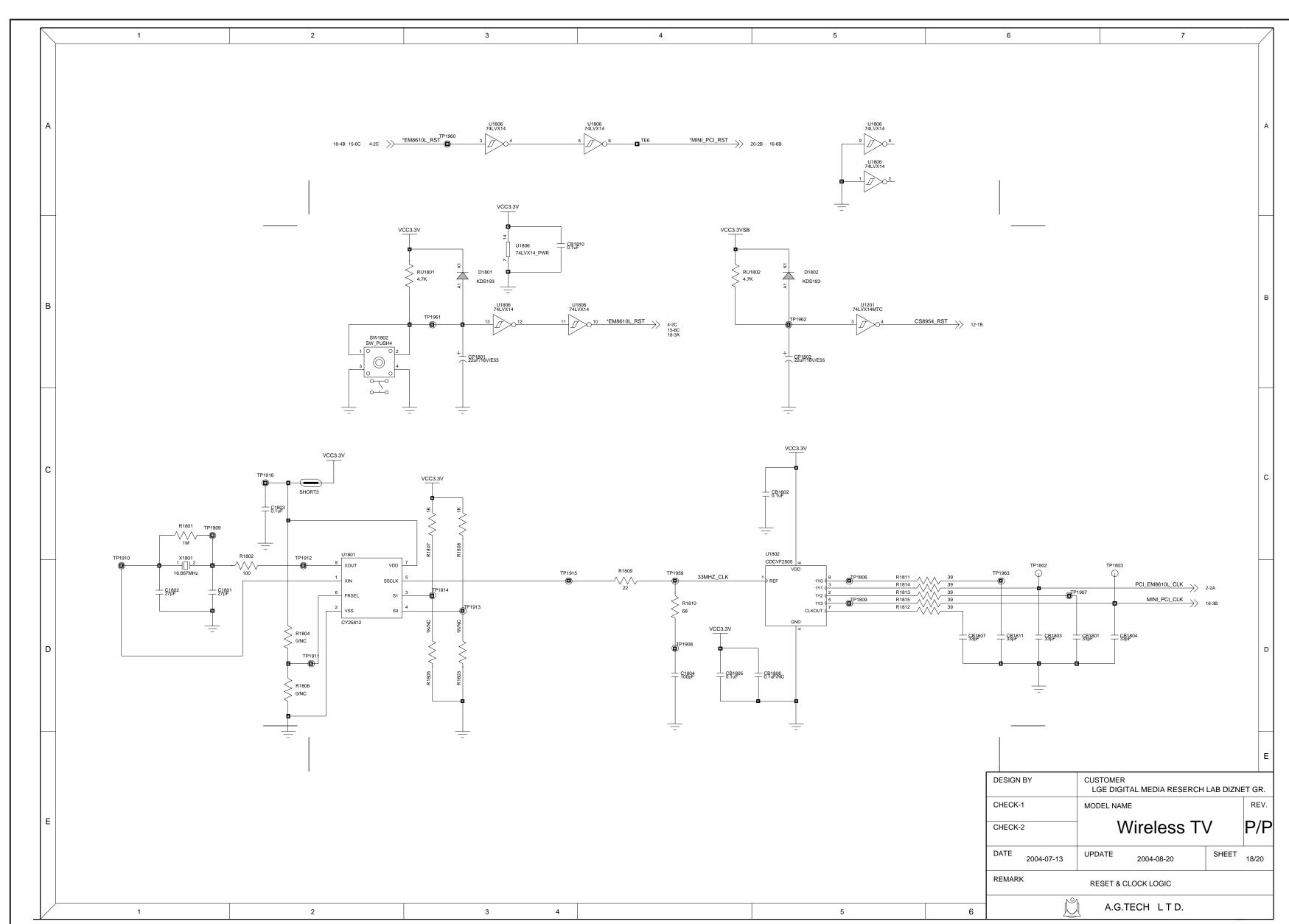
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|    | Q301         | 0TFDI80001A                | 2N7002 DIODES R/TP SOT23 60V                                 |
|    | Q305<br>Q306 | 0TFDI80001A<br>0TFFC80037A | 2N7002 DIODES R/TP SOT23 60V<br>FDS6982S FAIRCHILD R/TP SO-8 |
|    | Q306<br>Q307 | 0TFFC80037A                | FDS6982S FAIRCHILD R/TP SO-8                                 |
|    | 400.         | 311 1 <b>3</b> 3333171     |  |
|    | RESISTOR     | Rs                         |  |
|    | B000         | 001104740000               | 4.7. 4/40W.F. P. P./TP.                                      |
|    | R208<br>R210 | 0RH0471D622<br>0RH0471D622 | 4.7 1/10W 5 D.R/TP<br>4.7 1/10W 5 D.R/TP                     |
|    | R204         | 0RZZTTA002D                | MPS HMR 0.04OHM 1 W 1% 6432                                  |
|    | R206         | 0RZZTTA002C                | MPS HMR 0.03OHM 1 W 1% 6432                                  |
|    | R330         | 0RZZTTA002B                | MPS HMR 0.008OHM 1 W 1% 6432                                 |
|    | R331         | 0RZZTTA002B                | MPS HMR 0.008OHM 1 W 1% 6432                                 |
|    | R201         | 0RJ1503D677                | 150K OHM 1/10 W 5% 1608 R/TP                                 |
|    | R202         | 0RJ3000D677                | 300 OHM 1/10 W 5% 1608 R/TP                                  |
|    | R203         | 0RJ3002D677                | 30000 OHM 1/10 W 5% 1608 R/T                                 |
|    | R205         | 0RJ0221D677                | 2.2 OHM 1/10 W 5% 1608 R/TP                                  |
|    | R207         | 0RJ0221D677                | 2.2 OHM 1/10 W 5% 1608 R/TP                                  |
|    | R209<br>R211 | 0RJ0332D677<br>0RJ1072D477 | 33 OHM 1/10 W 5% 1608 R/TP<br>10.7K OHM 1/10 W 1% 1608 R/T   |
|    | R211         | 0RJ1072D477<br>0RJ1502D477 | 15K OHM 1/10 W 1% 1608 R/T                                   |
|    | R214         | 0RJ4702D677                | 47000 OHM 1/10 W 5% 1608 R/T                                 |
|    | R215         | 0RJ4702D677                | 47000 OHM 1/10 W 5% 1608 R/T                                 |
|    | R216         | 0RJ3002D677                | 30000 OHM 1/10 W 5% 1608 R/T                                 |
|    | R217         | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                   |
|    | R218         | 0RJ1503D677                | 150K OHM 1/10 W 5% 1608 R/TP                                 |
|    | R219         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                    |
|    | R220         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                    |
|    | R222         | 0RJ1000D677                | 100 OHM 1/10 W 5% 1608 R/TP                                  |
|    | R223<br>R224 | 0RJ2002D677<br>0RJ1053D477 | 20000 OHM 1/10 W 5% 1608 R/T<br>105K OHM 1/10 W 1% 1608 R/TP |
|    | R225         | 0RJ1003D477                | 10K OHM 1/10 W 1% 1608 R/TP                                  |
|    | R226         | 0RJ1003D677                | 100K OHM 1/10 W 5% 1608 R/TP                                 |
|    | R227         | 0RJ1003D677                | 100K OHM 1/10 W 5% 1608 R/TP                                 |
|    | R228         | 0RJ4701D677                | 4.7K OHM 1/10 W 5% 1608 R/TP                                 |
|    | R230         | 0RJ3002D477                | 30K OHM 1/10 W 1% 1608 R/TP                                  |
|    | R231         | 0RJ1002D477                | 10K OHM 1/10 W 1% 1608 R/TP                                  |
|    | R301         | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                   |
|    | R302<br>R303 | 0RJ0000D677<br>0RJ1002D677 | 0 OHM 1/10 W 5% 1608 R/TP<br>10K OHM 1/10 W 5% 1608 R/TP     |
|    | R304         | 0RJ1001D677                | 1K OHM 1/10 W 5% 1608 R/TP                                   |
|    | R307         | 0RJ2002D477                | 20K OHM 1/10 W 1% 1608 R/TP                                  |
|    | R308         | 0RJ1502D677                | 15K OHM 1/10 W 5% 1608 R/TP                                  |
|    | R309         | 0RJ1502D677                | 15K OHM 1/10 W 5% 1608 R/TP                                  |
|    | R310         | 0RJ2002D477                | 20K OHM 1/10 W 1% 1608 R/TP                                  |
|    | R311         | 0RJ6342D477                | 63.4K OHM 1/10 W 1% 1608 R/T                                 |
|    | R312         | 0RJ1053D477                | 105K OHM 1/10 W 1% 1608 R/TP                                 |
|    | R313<br>R314 | 0RJ0102D677<br>0RJ0102D677 | 10 OHM 1/10 W 5% 1608 R/TP<br>10 OHM 1/10 W 5% 1608 R/TP     |
|    | R314         | 0RJ0102D677                | 10 OHM 1/10 W 5% 1608 R/TP                                   |
|    | R316         | 0RJ0102D677                | 10 OHM 1/10 W 5% 1608 R/TP                                   |
|    | R317         | 0RJ1004D477                | 1M OHM 1/10 W 1% 1608 R/TP                                   |
|    | R318         | 0RJ0102D677                | 10 OHM 1/10 W 5% 1608 R/TP                                   |
|    | R319         | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    | R322         | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    | R323         | 0RJ0000D677                | 0 OHM 1/10 W 5% 1608 R/TP                                    |
|    | R324         | 0RJ1002D677                | 10K OHM 1/10 W 5% 1608 R/TP                                  |
|    | R325<br>R326 | 0RJ1004D477<br>0RJ0102D677 | 1M OHM 1/10 W 1% 1608 R/TP<br>10 OHM 1/10 W 5% 1608 R/TP     |
|    | R326         | 0RJ0102D677                | 10 OHM 1/10 W 5% 1608 R/TP                                   |
|    | R328         | 0RJ0102D677                | 10 OHM 1/10 W 5% 1608 R/TP                                   |
|    | R329         | 0RJ0102D677                | 10 OHM 1/10 W 5% 1608 R/TP                                   |
|    |              |                            |  |

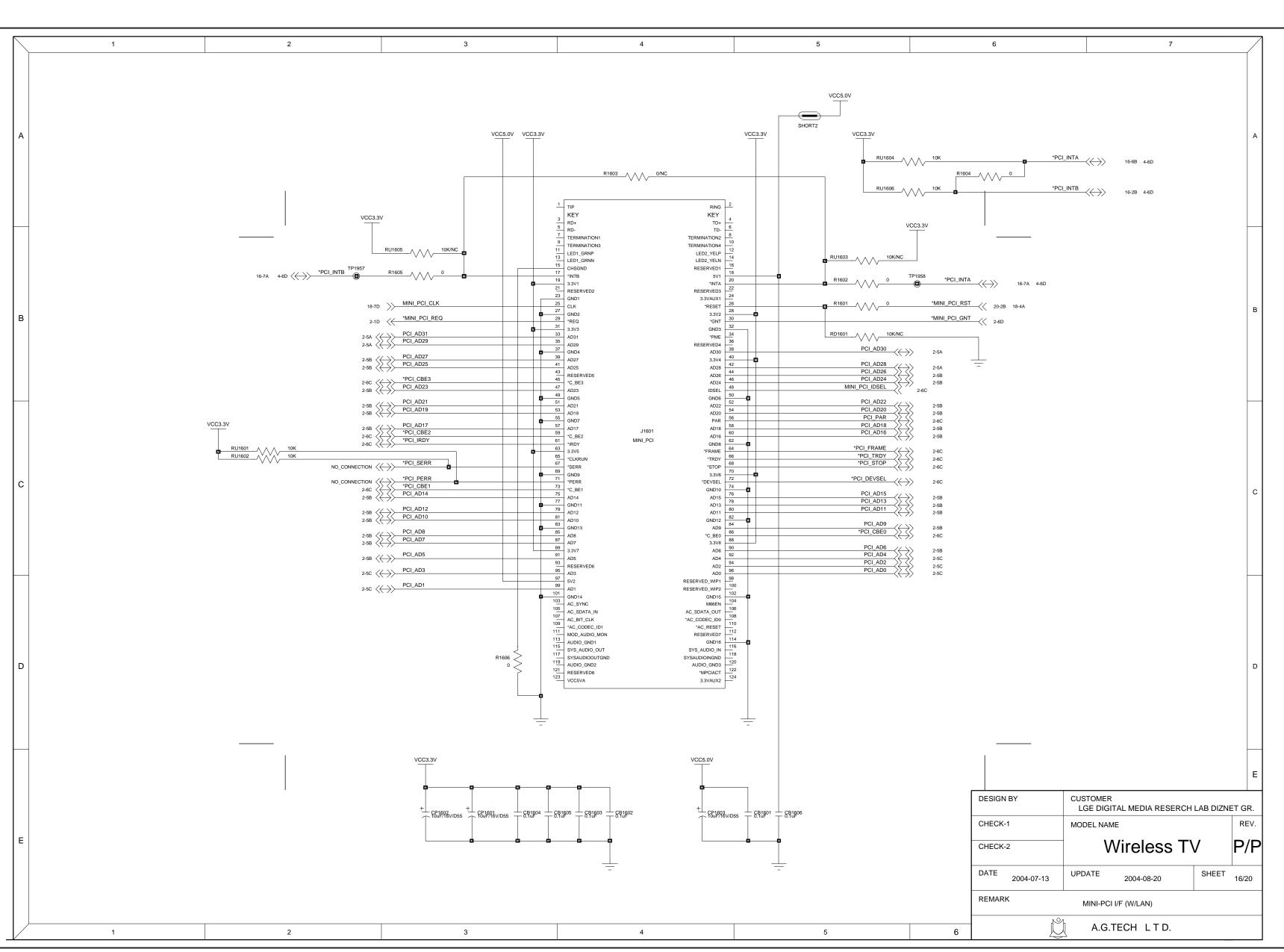
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|    |       | R332     | 0RJ0102D677  | 10 OHM 1/10 W 5% 1608 R/TP       |
|    |       | R333     | 0RJ0102D677  | 10 OHM 1/10 W 5% 1608 R/TP       |
|    |       | R334     | 0RJ0102D677  | 10 OHM 1/10 W 5% 1608 R/TP       |
|    |       | R335     | 0RJ0102D677  | 10 OHM 1/10 W 5% 1608 R/TP       |
|    |       | R336     | 0RJ0102D677  | 10 OHM 1/10 W 5% 1608 R/TP       |
|    |       | R337     | 0RJ0102D677  | 10 OHM 1/10 W 5% 1608 R/TP       |
|    |       | R338     | 0RJ0000D677  | 0 OHM 1/10 W 5% 1608 R/TP        |
|    |       | R339     | 0RJ1002D677  | 10K OHM 1/10 W 5% 1608 R/TP      |
|    |       | RD201    | 0RJ1002D677  | 10K OHM 1/10 W 5% 1608 R/TP      |
|    |       | RD201    | 0RJ1002D677  | 10K OHM 1/10 W 5% 1608 R/TP      |
|    |       | RD202    | 0RJ1502D677  | 15K OHM 1/10 W 5% 1608 R/TP      |
|    |       | RD204    | 0RJ9102D677  | 91K OHM 1/10 W 5% 1608 R/TP      |
|    |       | RD205    | 0RJ1003D677  | 100K OHM 1/10 W 5% 1608 R/TP     |
|    |       | RU201    | 0RJ1003D677  | 100K OHM 1/10 W 5% 1608 R/TP     |
|    |       | RU202    | 0RJ1002D677  | 10K OHM 1/10 W 5% 1608 R/TP      |
|    |       | RU203    | 0RJ2201D677  | 2200 OHM 1/10 W 5% 1608 R/TP     |
|    |       | RU204    | 0RJ2201D677  | 2200 OHM 1/10 W 5% 1608 R/TP     |
|    |       | 110204   | 011022012017 | 2200 Grill 1/10 W 3/0 1000 IV II |
|    | C     | THERS    |              |                                  |
|    |       |          |              |                                  |
|    |       | LD201    | 0DL210009GC  | SML-210MT TP ROHM GREEN .        |
|    |       | ONTROL   | DOADD        |                                  |
|    | _ C   | ONTROL   | BUARD        |                                  |
|    |       | SW201    | 140-058B     | EVQ PB2 05K MATUSHITA NON 12     |
|    |       | SW202    | 140-058B     | EVQ PB2 05K MATUSHITA NON 12     |
|    |       | SW203    | 140-058B     | EVQ PB2 05K MATUSHITA NON 12     |
|    |       | SW204    | 140-058B     | EVQ PB2 05K MATUSHITA NON 12     |
|    |       | SW205    | 140-058B     | EVQ PB2 05K MATUSHITA NON 12     |
|    |       | SW206    | 140-058B     | EVQ PB2 05K MATUSHITA NON 12     |
|    |       | SW207    | 140-058B     | EVQ PB2 05K MATUSHITA NON 12     |
|    |       | SW208    | 140-058B     | EVQ PB2 05K MATUSHITA NON 12     |
|    |       | U1       | 6712SCA232A  | TSOP34838SO1 VISHAY 38KHZ LF     |
|    |       | CB201    | 0CC471CK41A  | 470PF 1608 50V 5% R/TP NP0       |
|    |       | CB202    | 0CC471CK41A  | 470PF 1608 50V 5% R/TP NP0       |
|    |       | CB203    | 0CC471CK41A  | 470PF 1608 50V 5% R/TP NP0       |
|    |       | CB204    | 0CC471CK41A  | 470PF 1608 50V 5% R/TP NP0       |
|    |       | CB205    | 0CC471CK41A  | 470PF 1608 50V 5% R/TP NP0       |
|    |       | CB206    | 0CC471CK41A  | 470PF 1608 50V 5% R/TP NP0       |
|    |       | CB207    | 0CK104CK56A  | 0.1UF 1608 50V 10% R/TP X7R      |
|    |       | CB208    | 0CC471CK41A  | 470PF 1608 50V 5% R/TP NP0       |
|    |       | CB209    | 0CC471CK41A  | 470PF 1608 50V 5% R/TP NP0       |
|    |       | CB210    | 0CC471CK41A  | 470PF 1608 50V 5% R/TP NP0       |
|    |       | CB211    | 0CC471CK41A  | 470PF 1608 50V 5% R/TP NP0       |
|    |       | CB212    | 0CK104CK56A  | 0.1UF 1608 50V 10% R/TP X7R      |
|    |       | CB213    | 0CK104CK56A  | 0.1UF 1608 50V 10% R/TP X7R      |
|    |       | CB214    | 0CK104CK56A  | 0.1UF 1608 50V 10% R/TP X7R      |
| 1  |       | CB215    | 0CC471CK41A  | 470PF 1608 50V 5% R/TP NP0       |
|    |       | CP201    | 0CE106VF6DC  | 10UF MV 16V 20% R/TP(SMD) SM     |
|    |       | D201     | 0DS226009AA  | KDS226 TP KEC SOT-23 80V 30      |
| 1  |       | D202     | 0DS226009AA  | KDS226 TP KEC SOT-23 80V 30      |
| 1  |       | D203     | 0DZ360009EB  | UDZ 3.6B TP ROHM SOD323 200M     |
|    |       | D204     | 0DZ360009EB  | UDZ 3.6B TP ROHM SOD323 200M     |
| 1  |       | D205     | 0DZ360009EB  | UDZ 3.6B TP ROHM SOD323 200M     |
| 1  |       | D206     | 0DZ360009EB  | UDZ 3.6B TP ROHM SOD323 200M     |
|    |       | FB201    | 6200J00005H  | HB-1S1608-200JT CERATECH R/T     |
|    |       | FB202    | 6210TCE001H  | HB-1T2012-301JT CERATEC 2012     |
|    |       | LD201    | 0DL210009GC  | SML-210MT TP ROHM GREEN .        |
| 1  |       | LD202    | 0DLLT0208AA  | LITEON LTST-C155KGJSKT R/TP      |
|    |       | LD203    | 0DLBE0158AA  | BRIGHT LED ELECTRONICS BL-HB     |
|    |       | LD204    | 0DLBE0158AA  | BRIGHT LED ELECTRONICS BL-HB     |
| 1  |       | LD205    | 0DLBE0158AA  | BRIGHT LED ELECTRONICS BL-HB     |

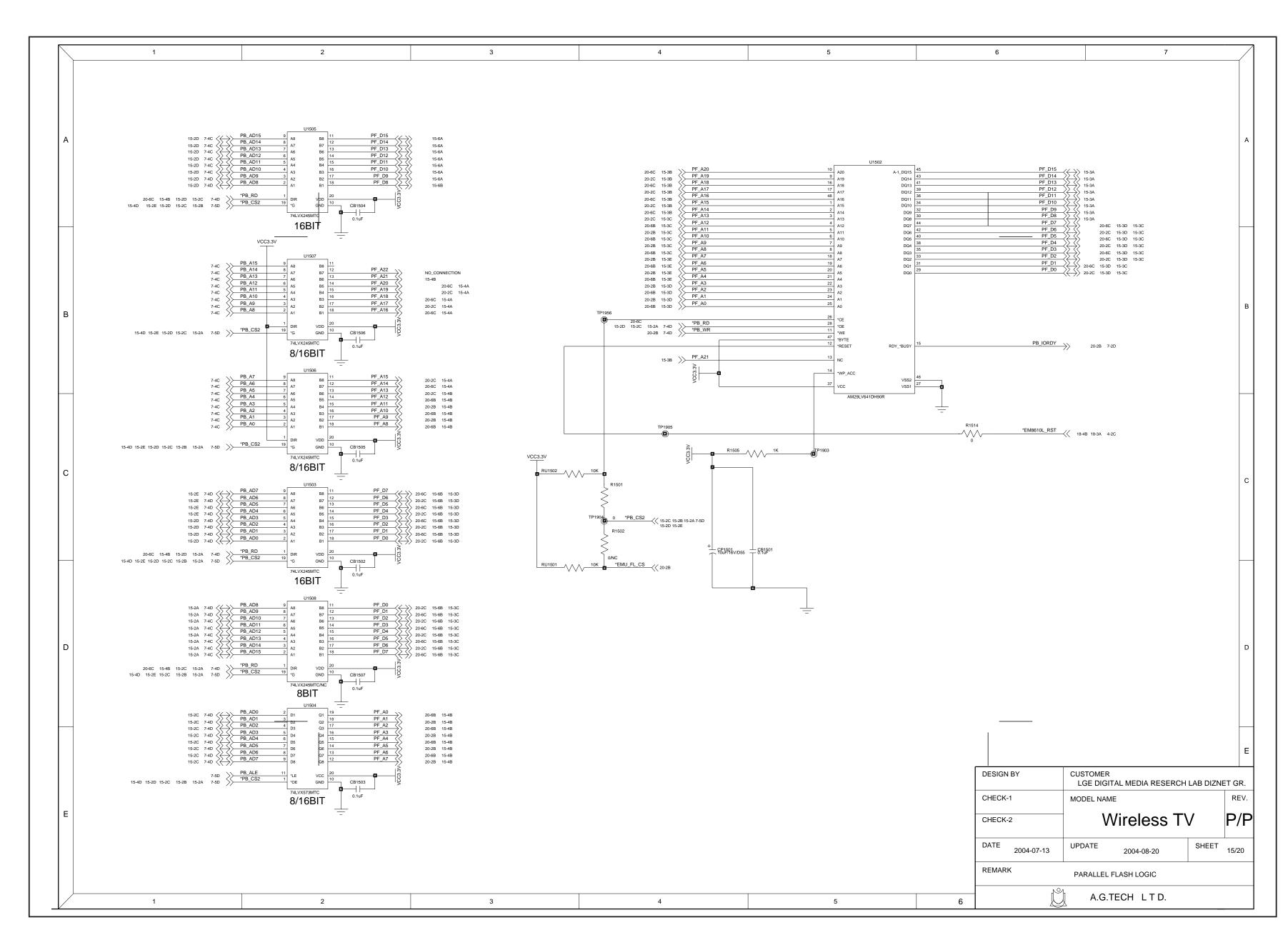
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| 3   | AL  | LOC. NO. | FARTINU.    | DESCRIPTION / SPECIFICATION                  |     |  |  |  |
|     |     | R201     | 0RJ3300D677 | 330 OHM 1/10 W 5% 1608 R/TP                  |     |  |  |  |
|     |     | R201     | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP                   |     |  |  |  |
|     |     | R203     | 0RJ1001D677 | 1K OHM 1/10 W 5% 1608 R/TP                   |     |  |  |  |
|     |     | R205     | 0RJ1500D677 | 150 OHM 1/10 W 5% 1608 R/TP                  |     |  |  |  |
|     |     | R206     | 0RJ1500D677 | 150 OHM 1/10 W 5% 1608 R/TP                  |     |  |  |  |
|     |     | R207     | 0RJ1500D677 | 150 OHM 1/10 W 5% 1608 R/TP                  |     |  |  |  |
|     |     | INZU1    | 01313000017 | 130 01110 1/10 W 3/6 1008 1/17               |     |  |  |  |
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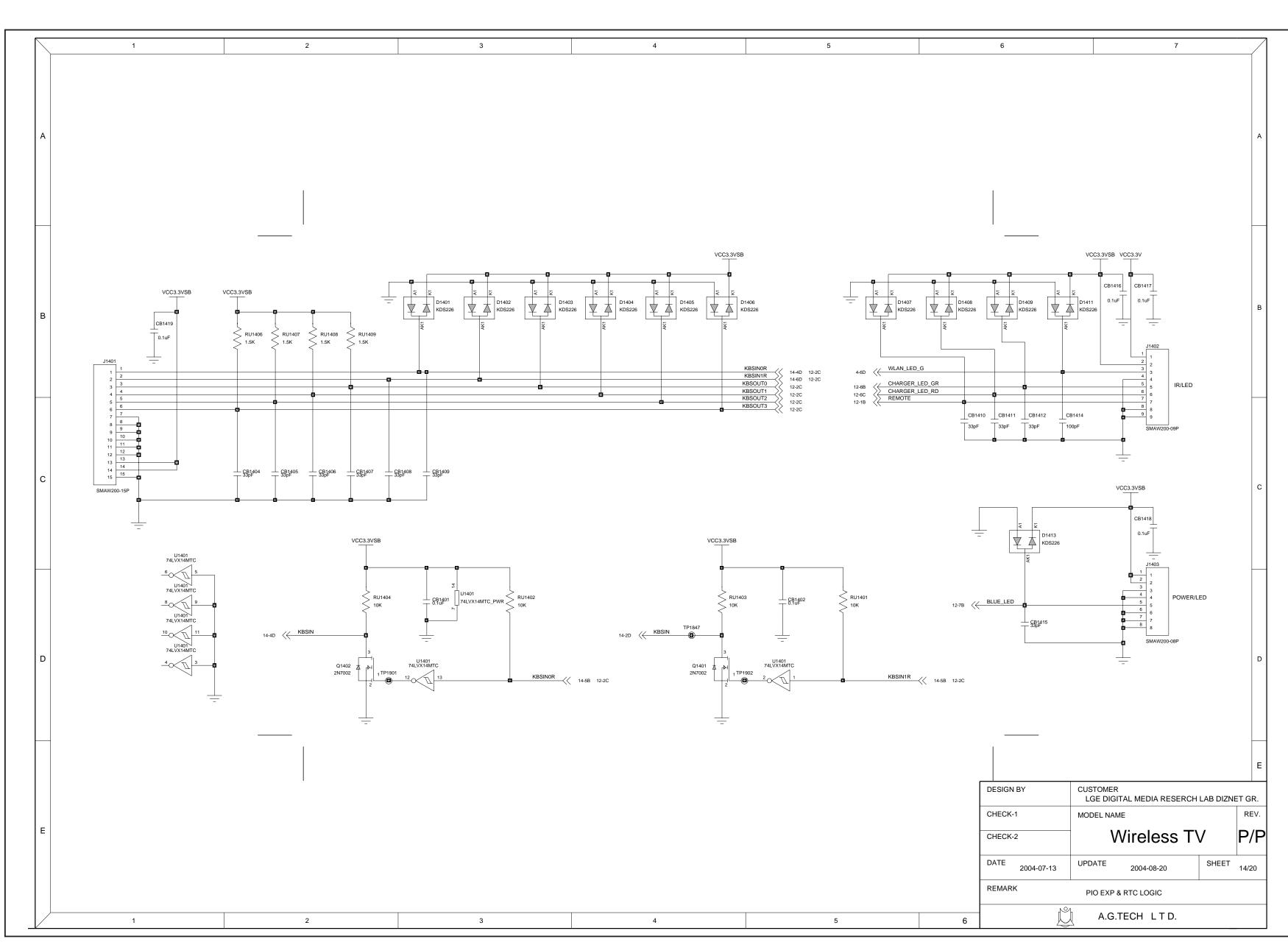


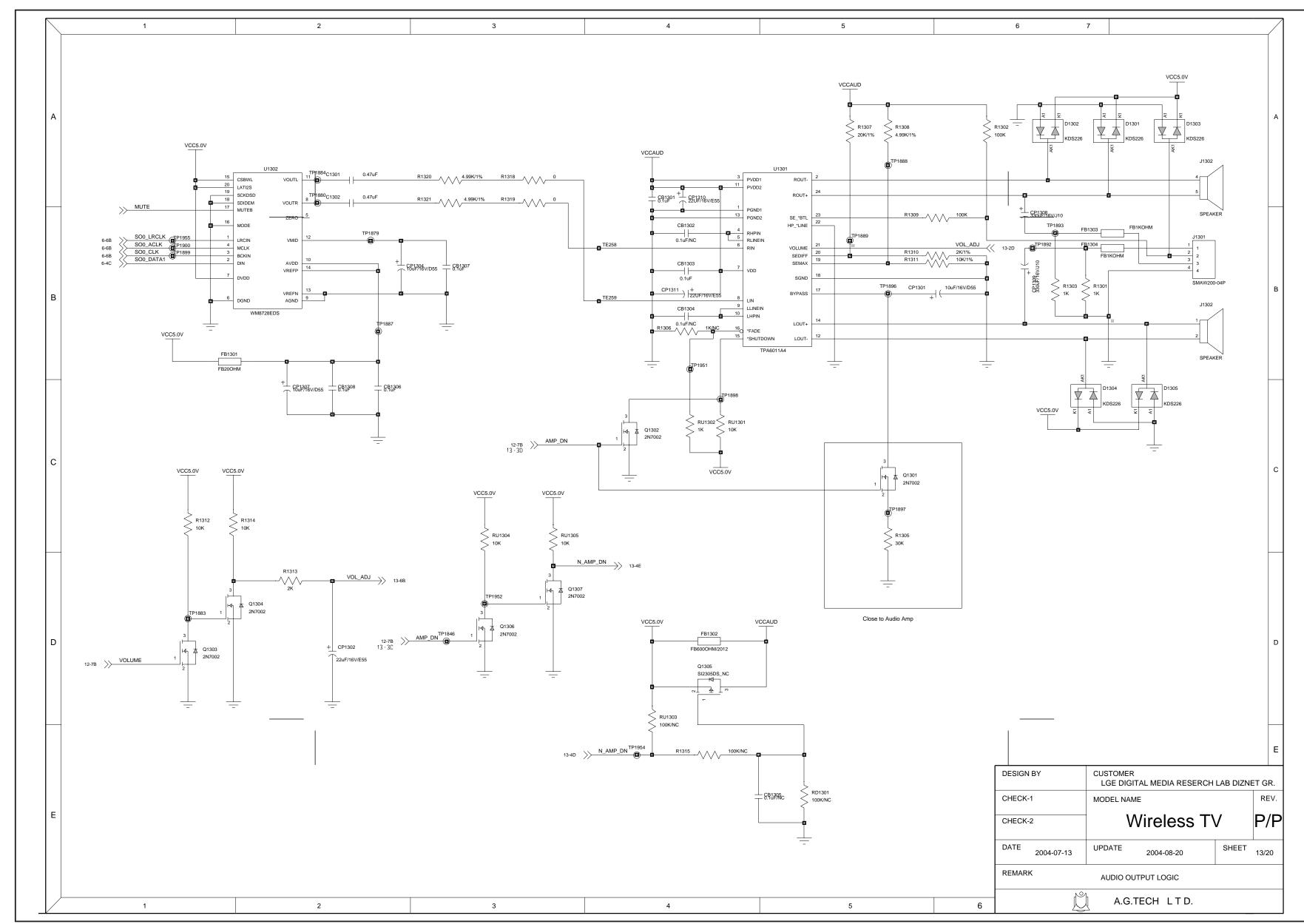


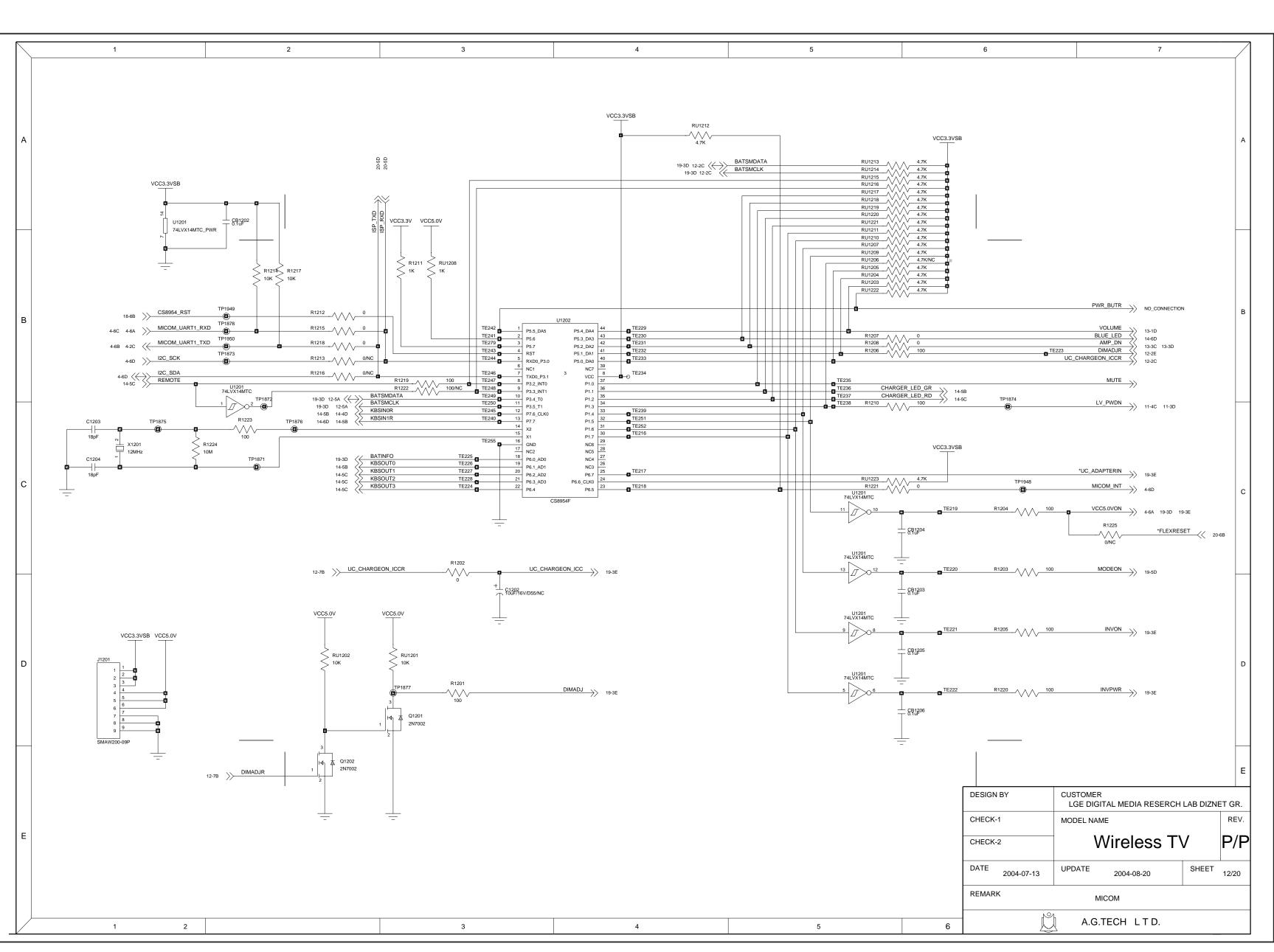


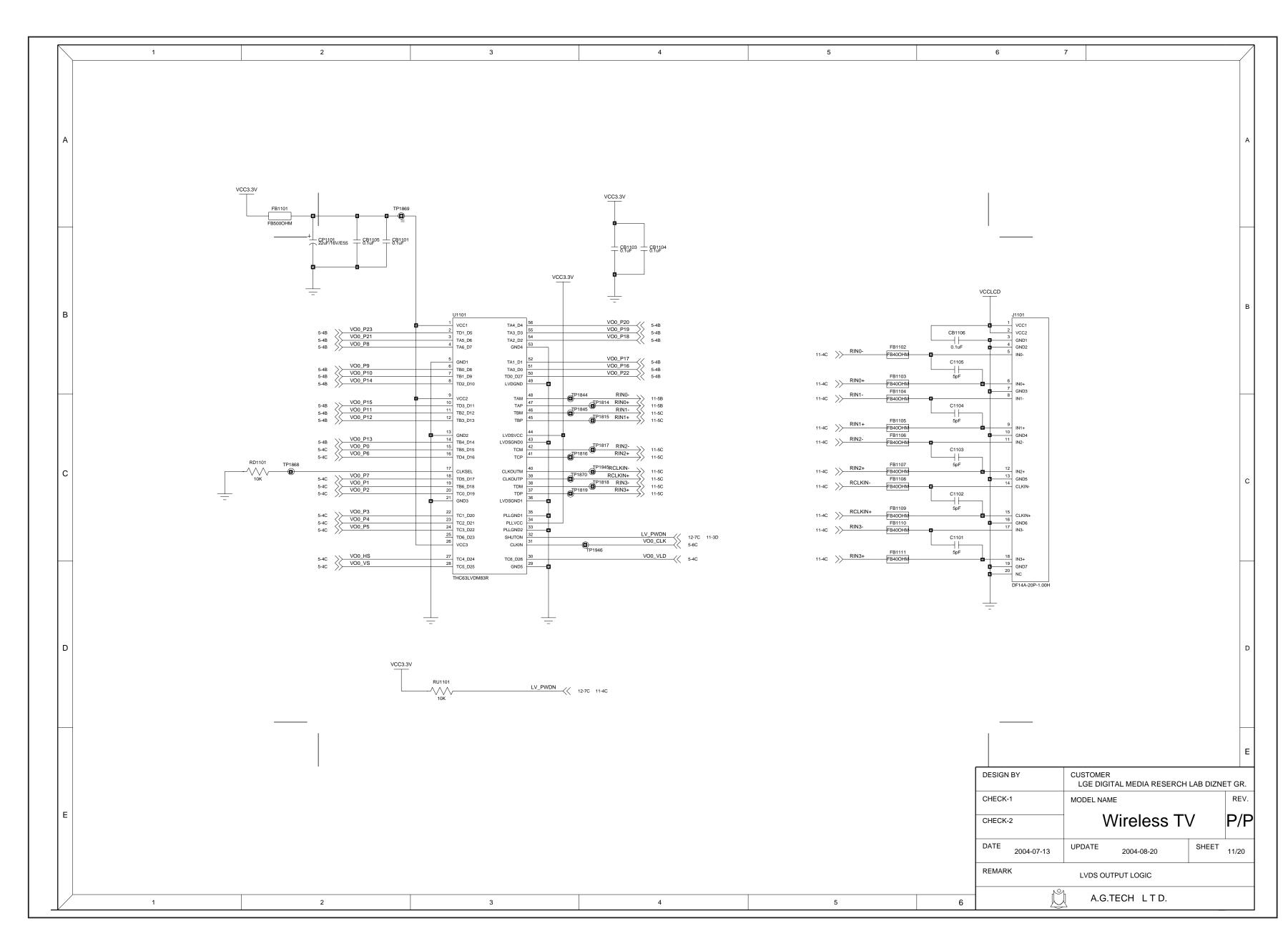


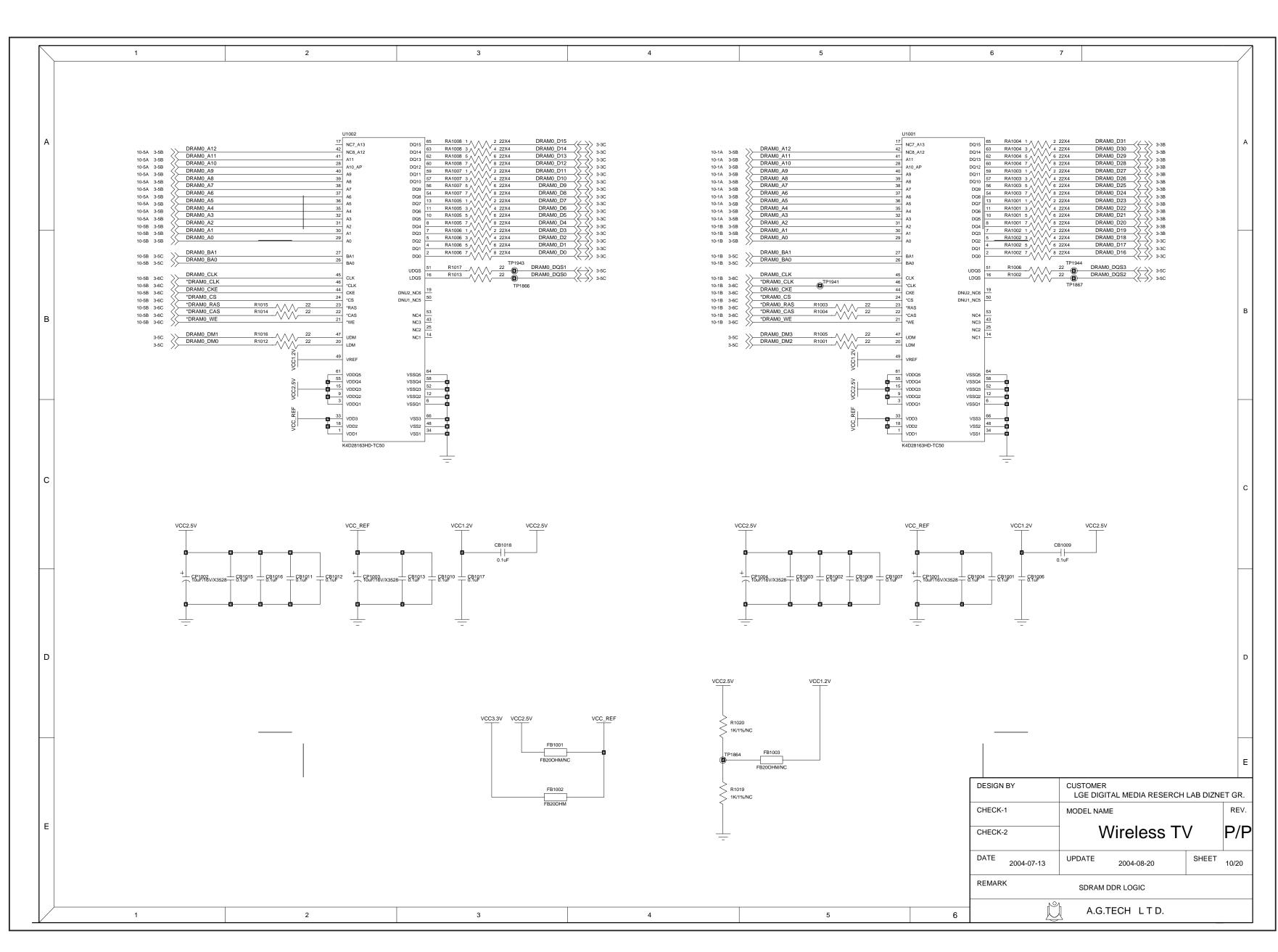


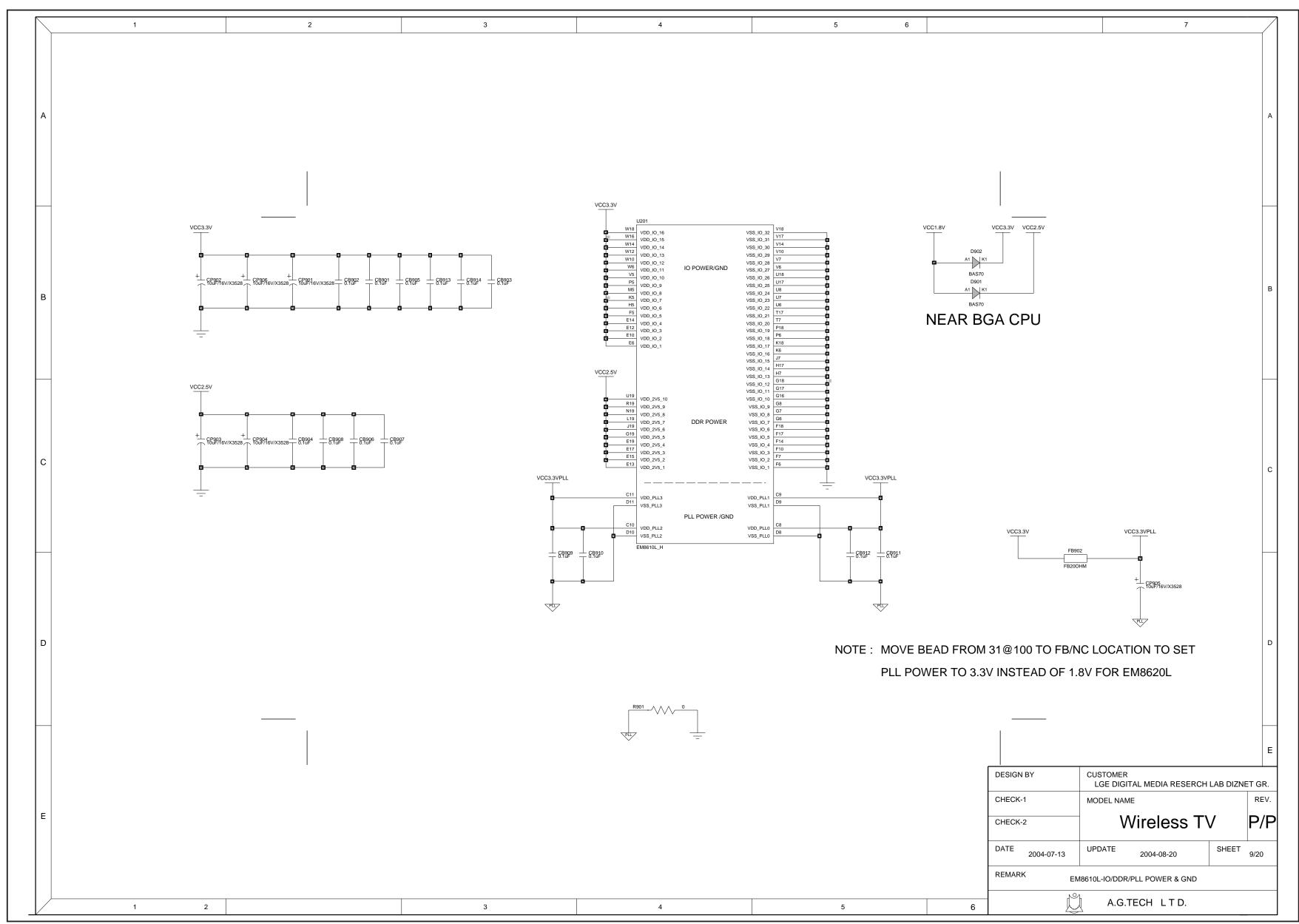


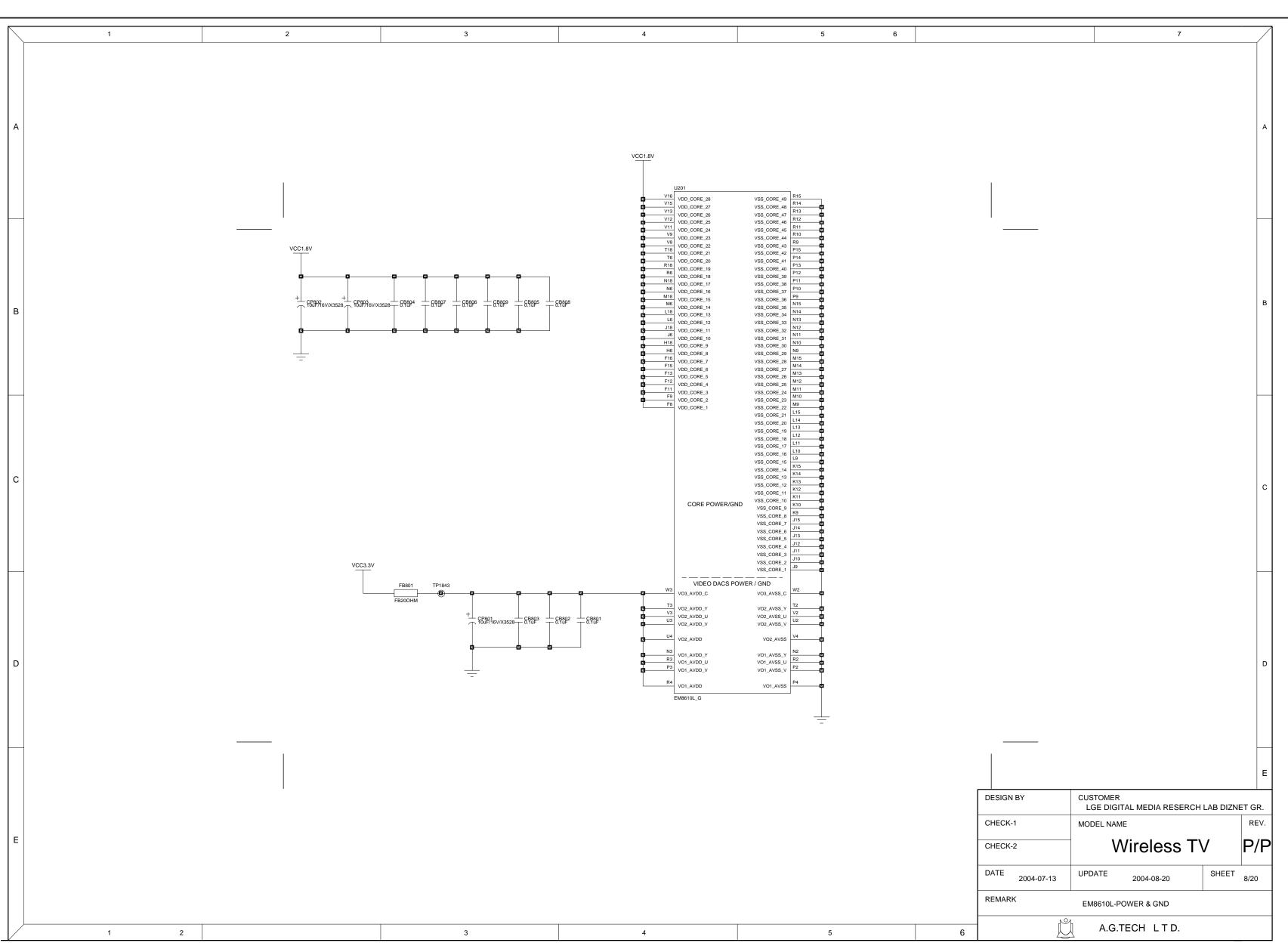


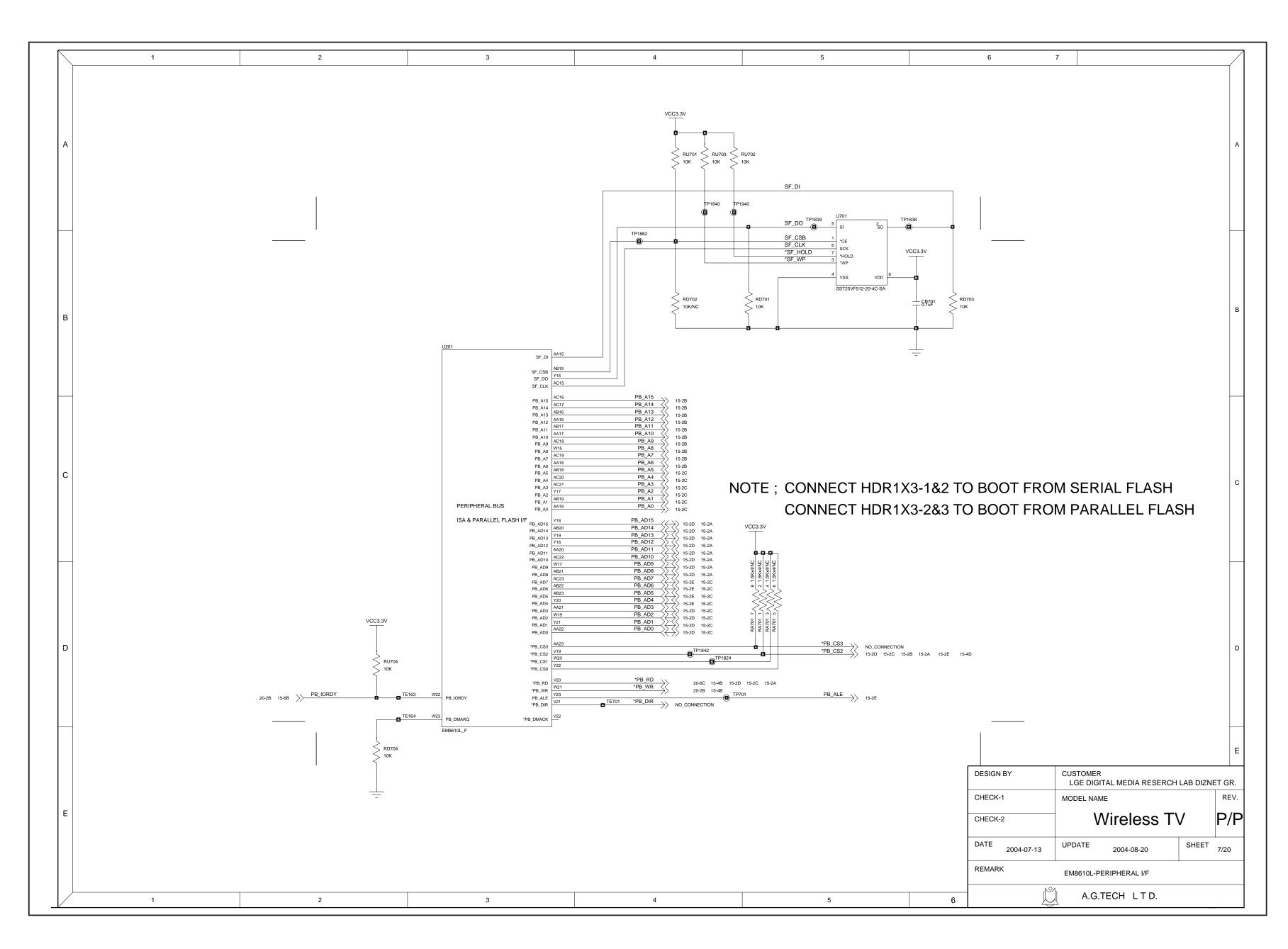


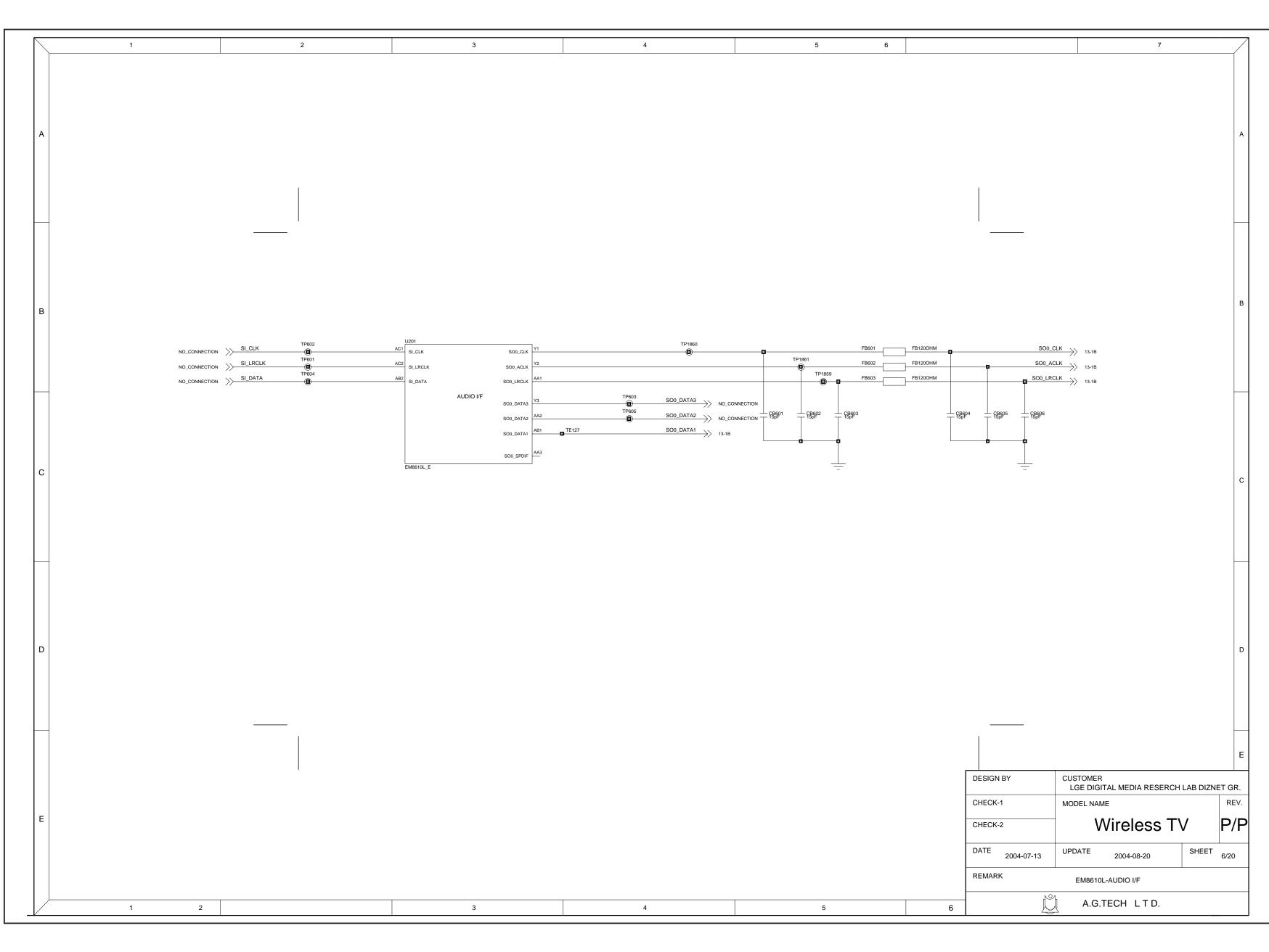


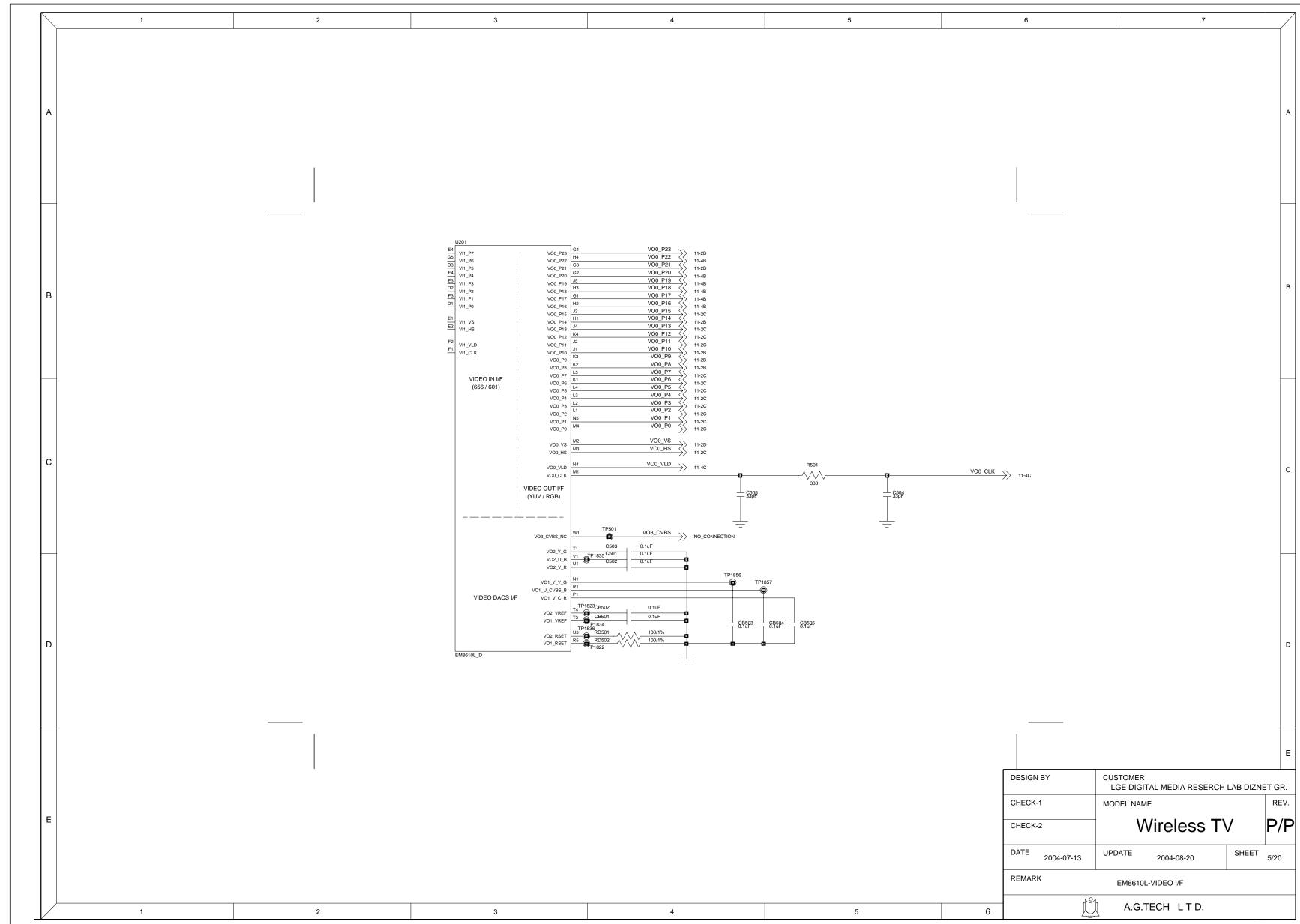


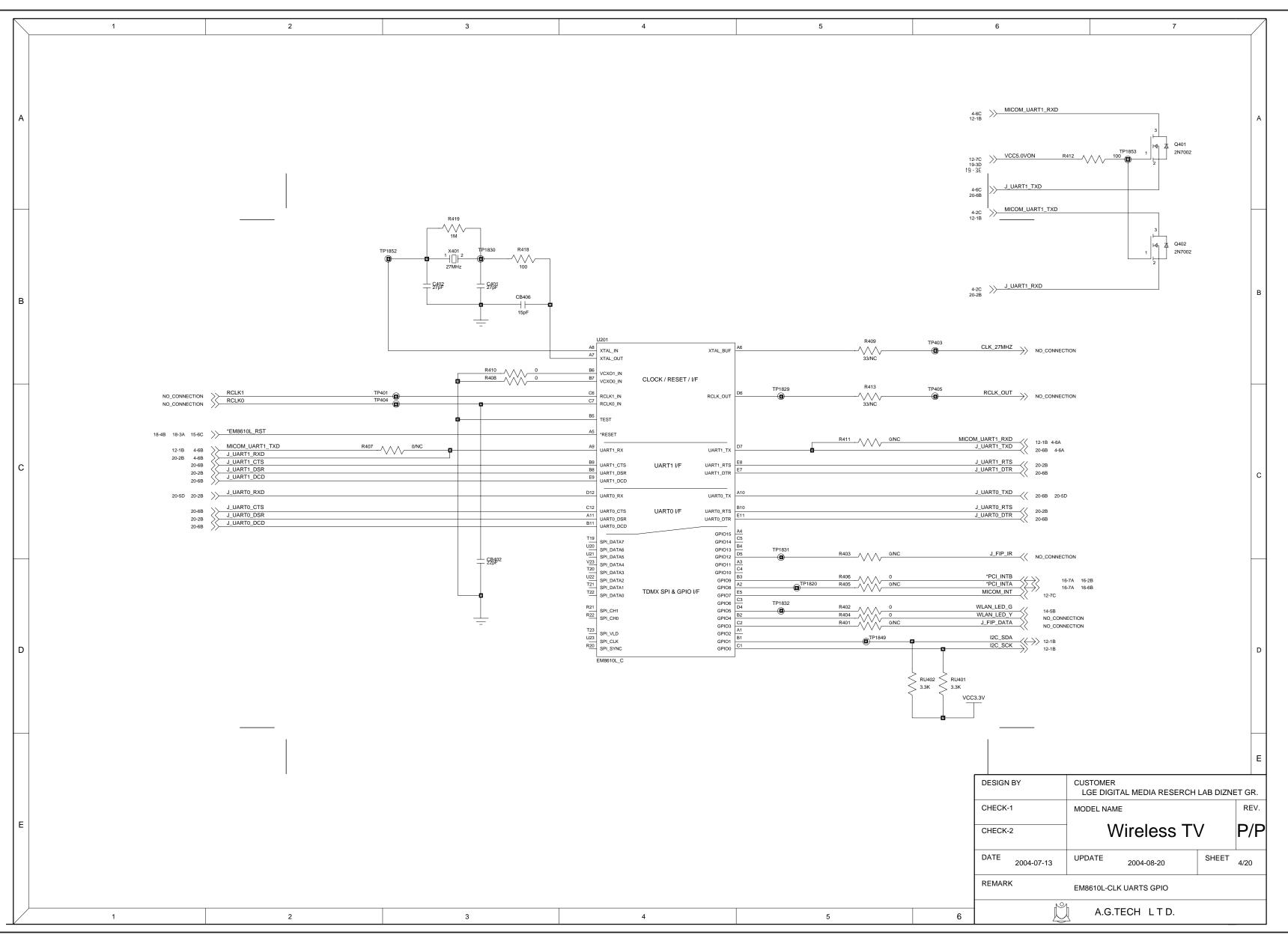


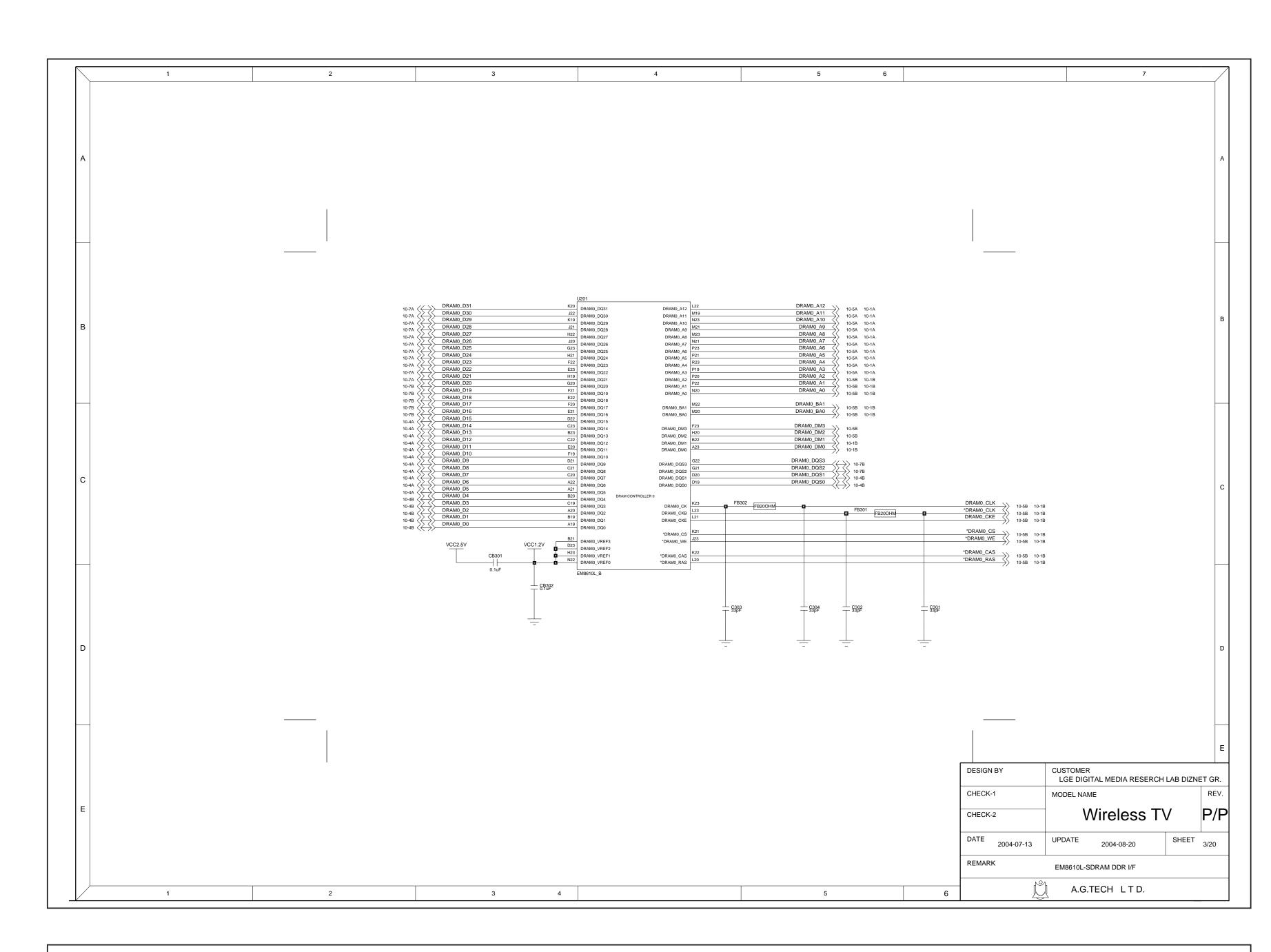


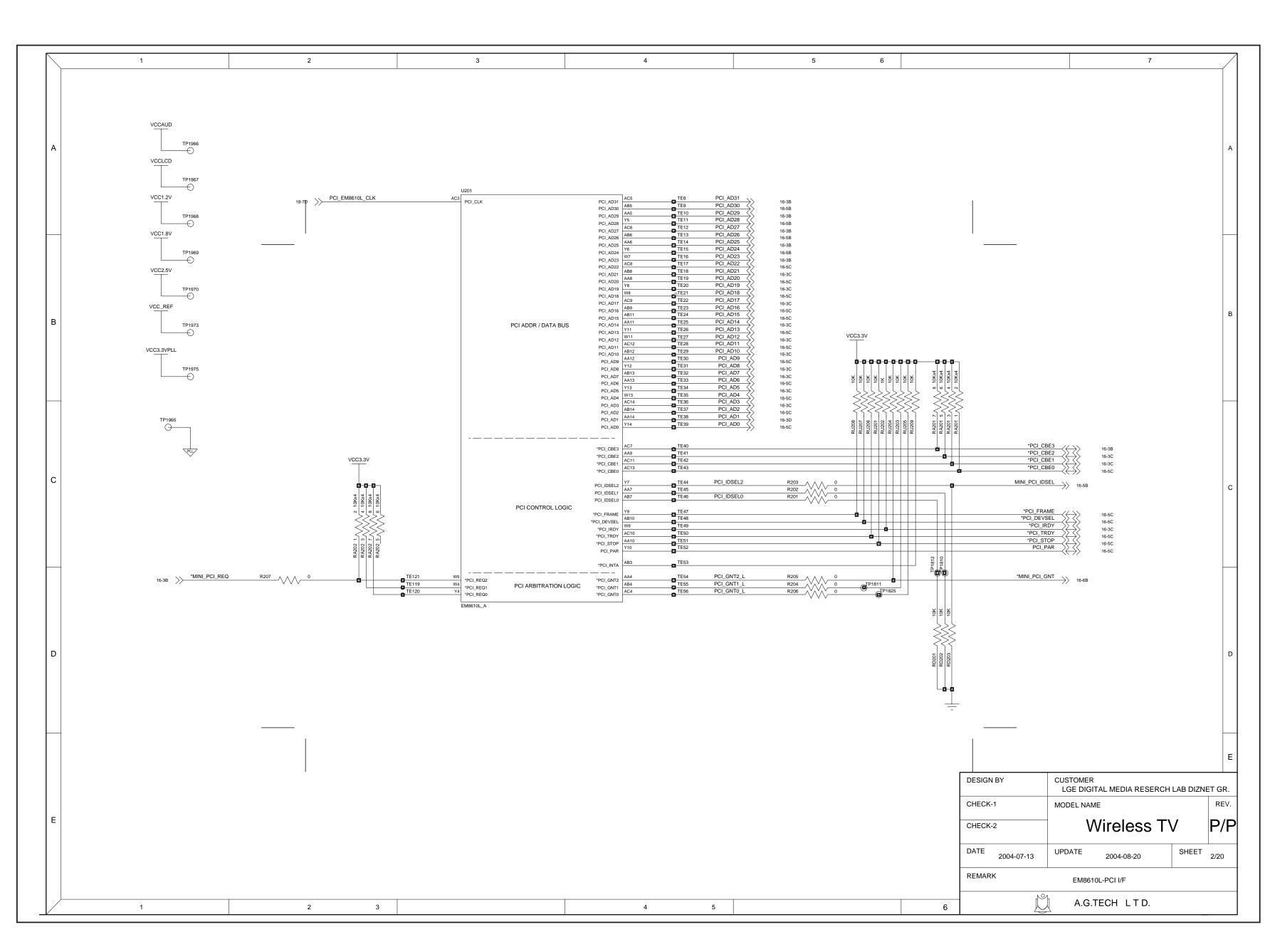


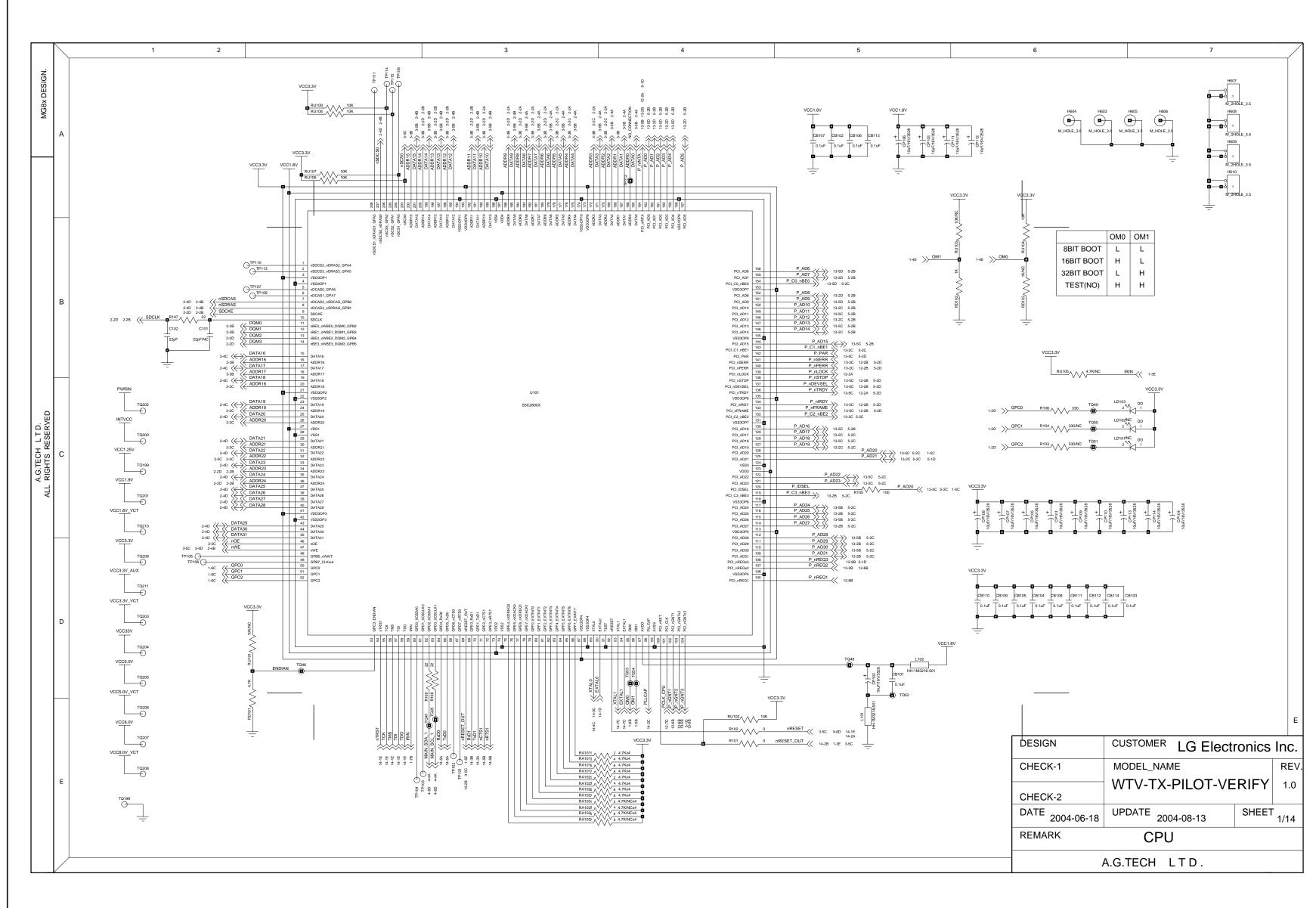


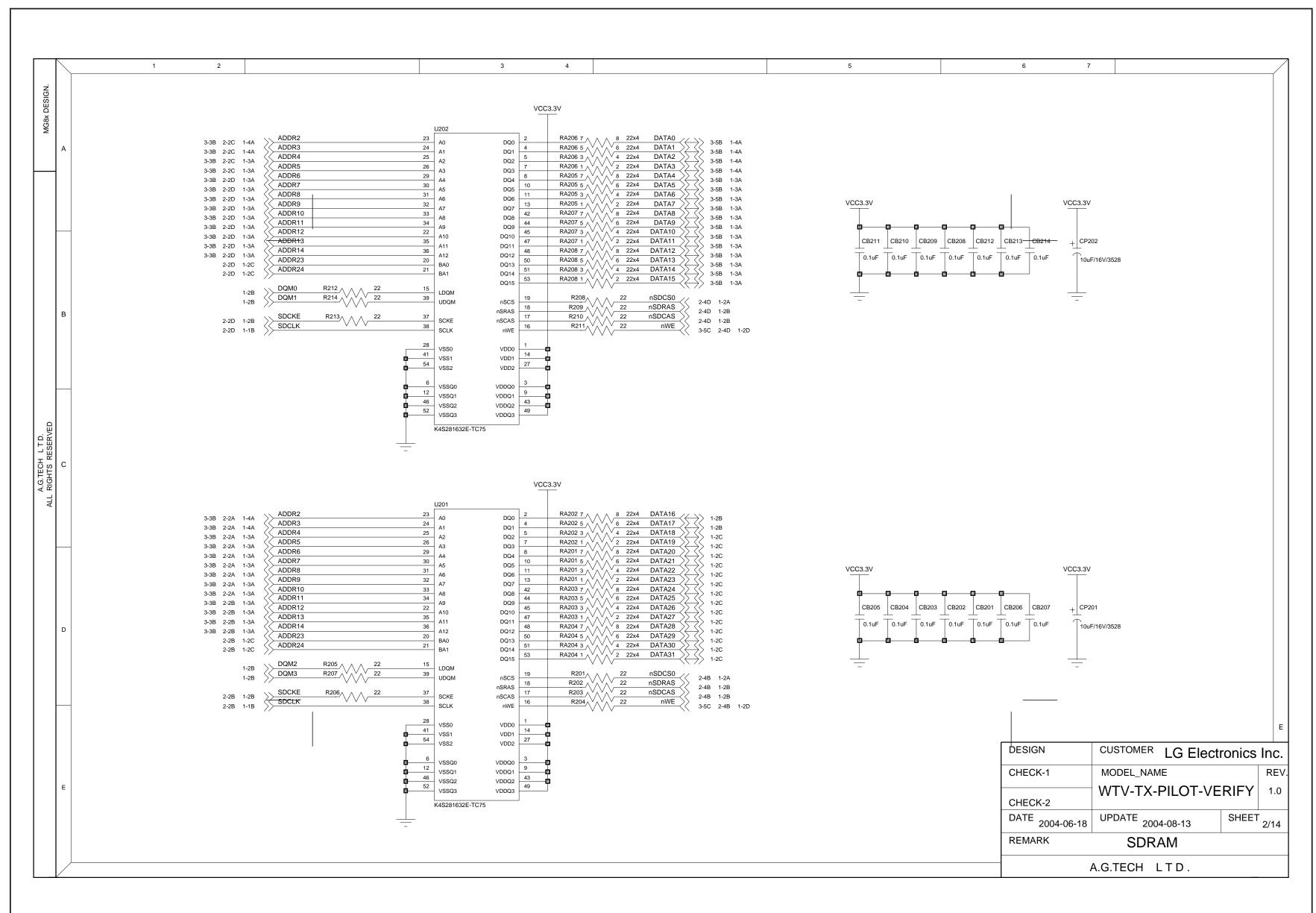


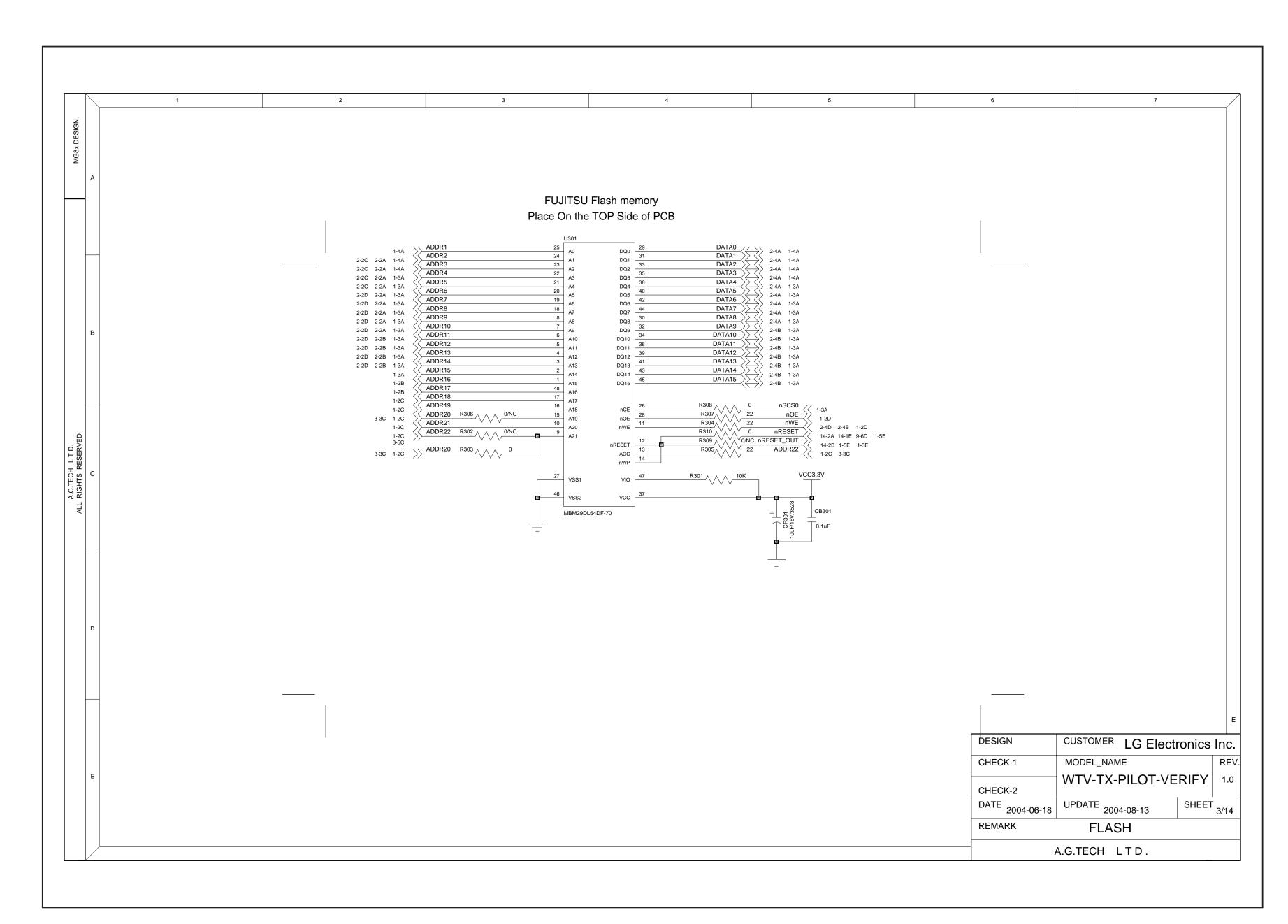


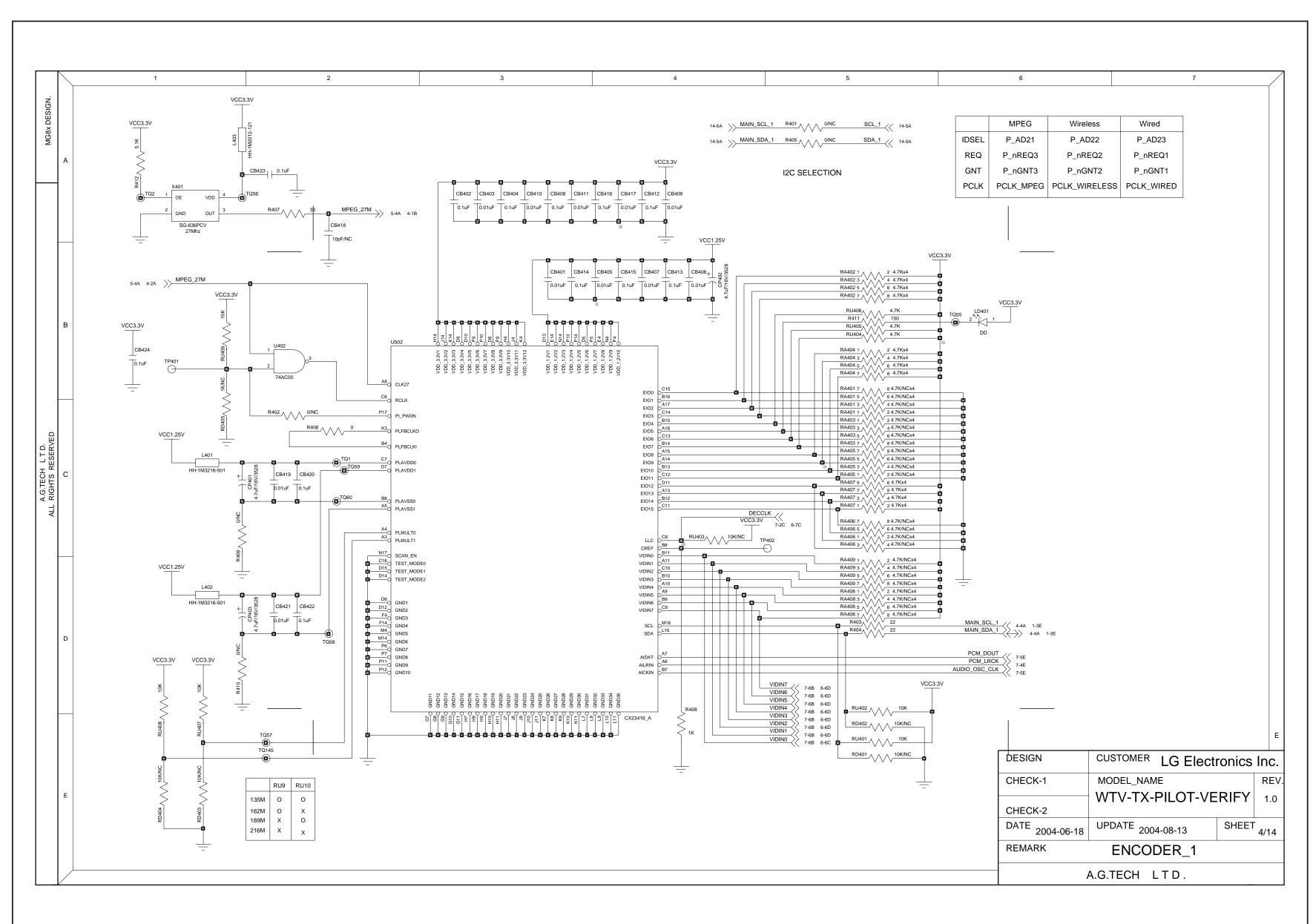


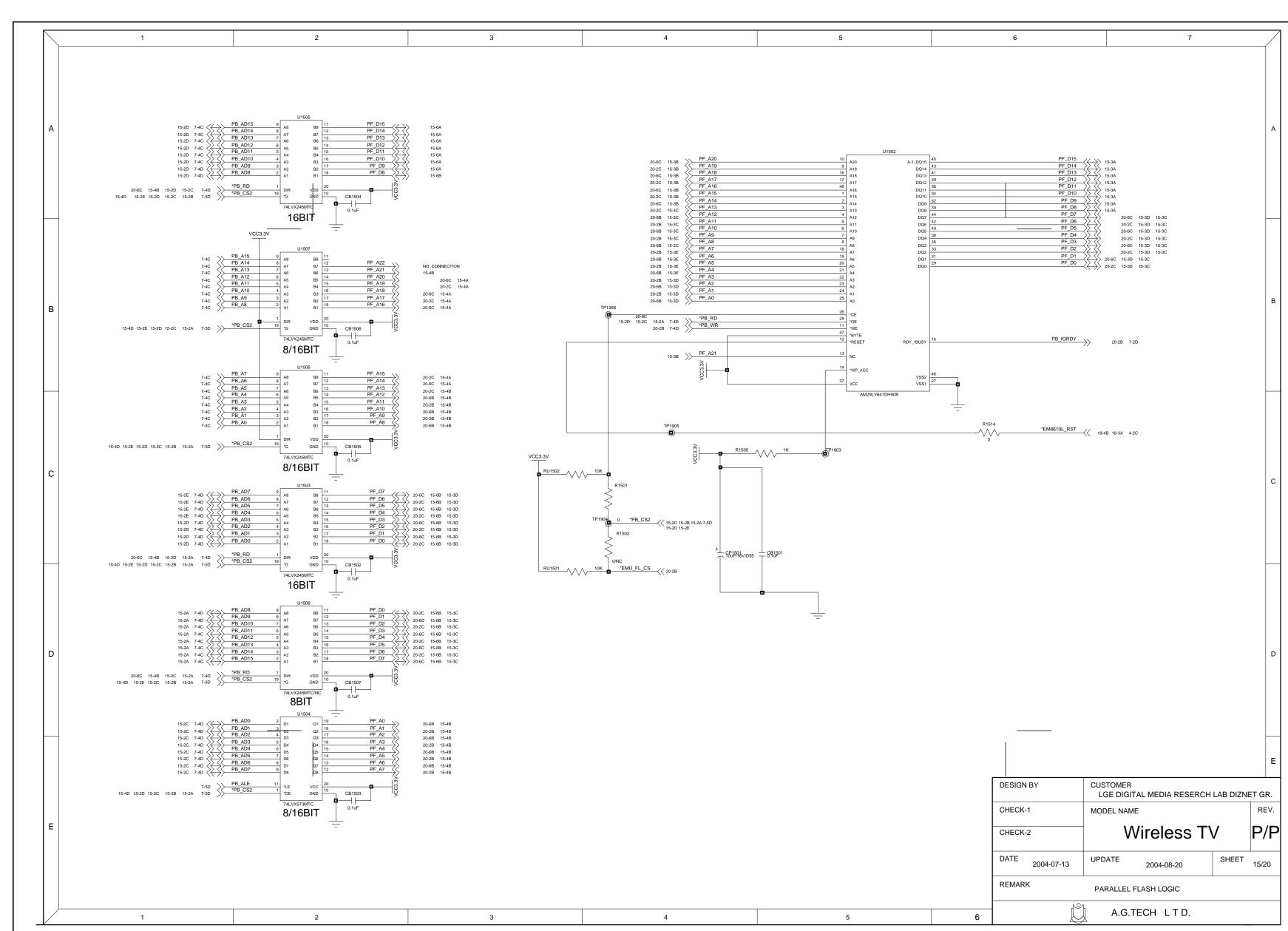


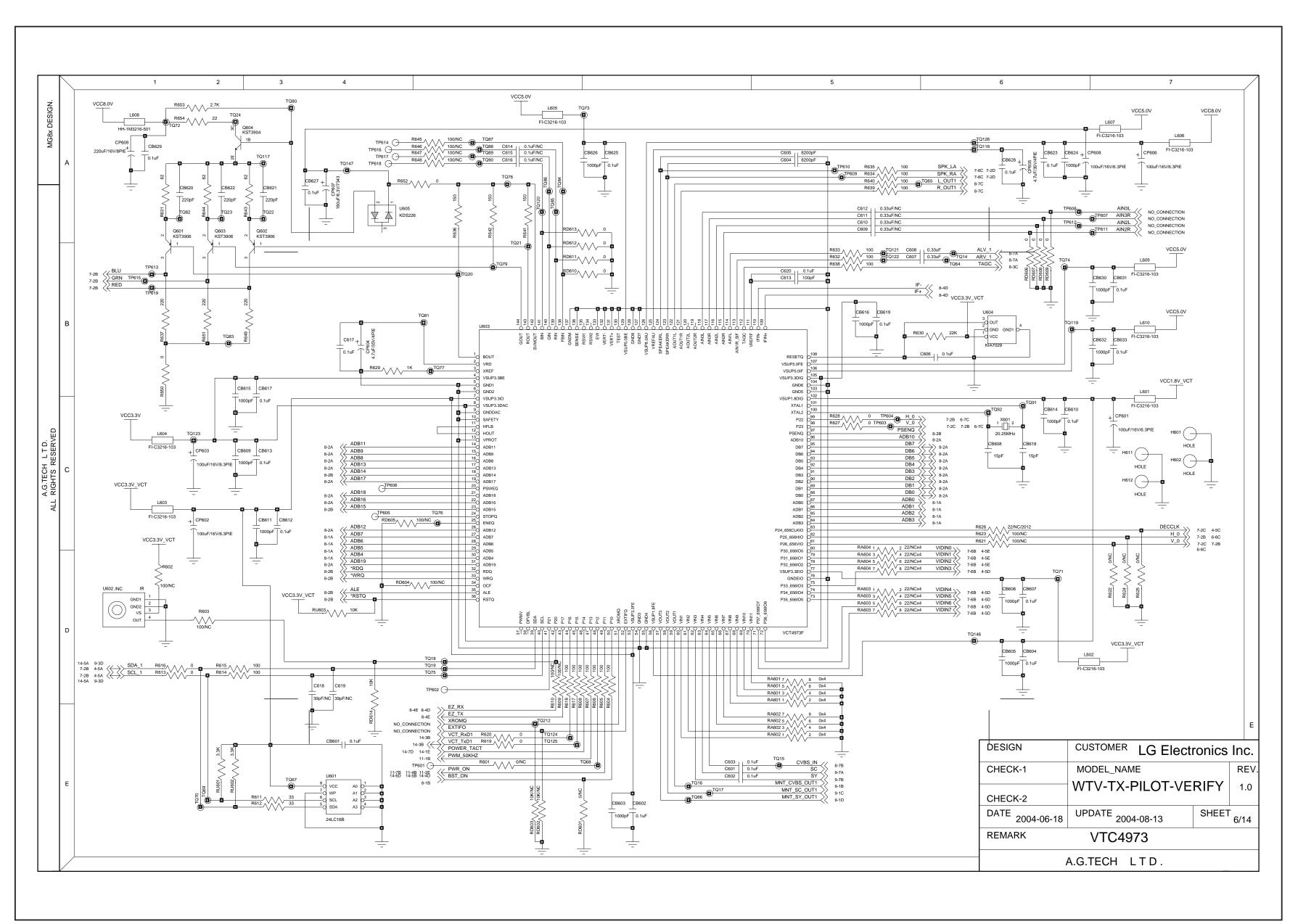


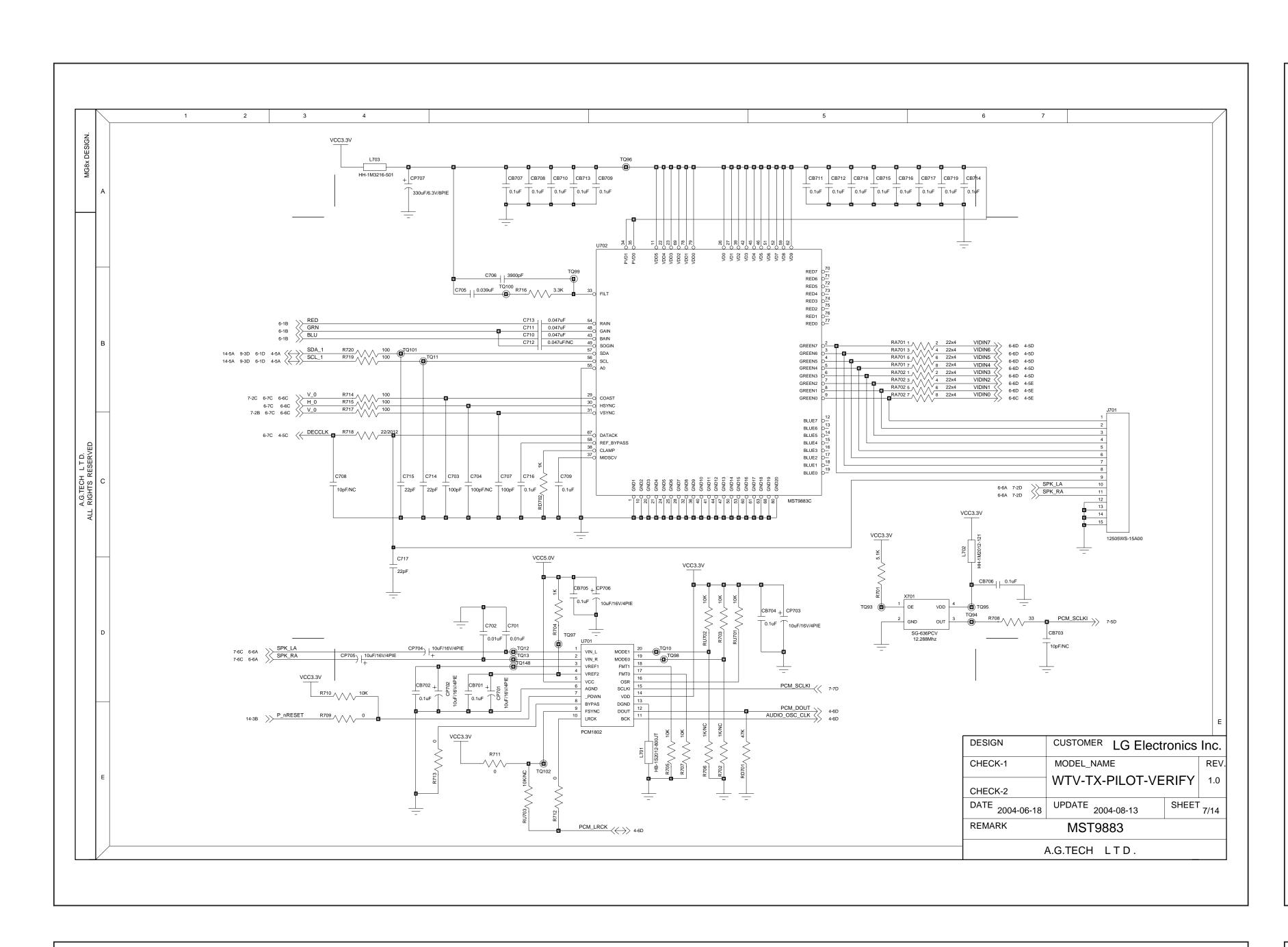


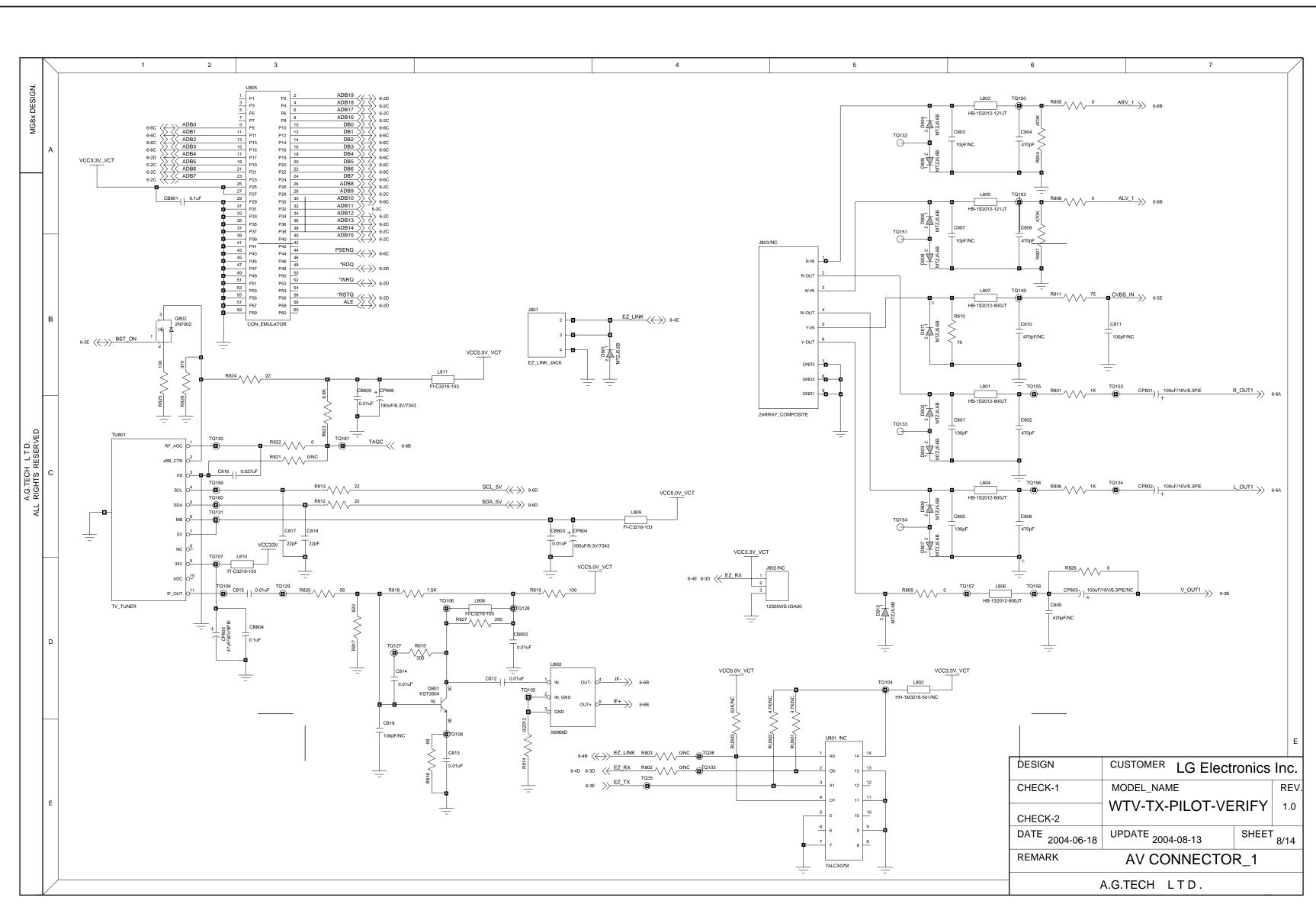


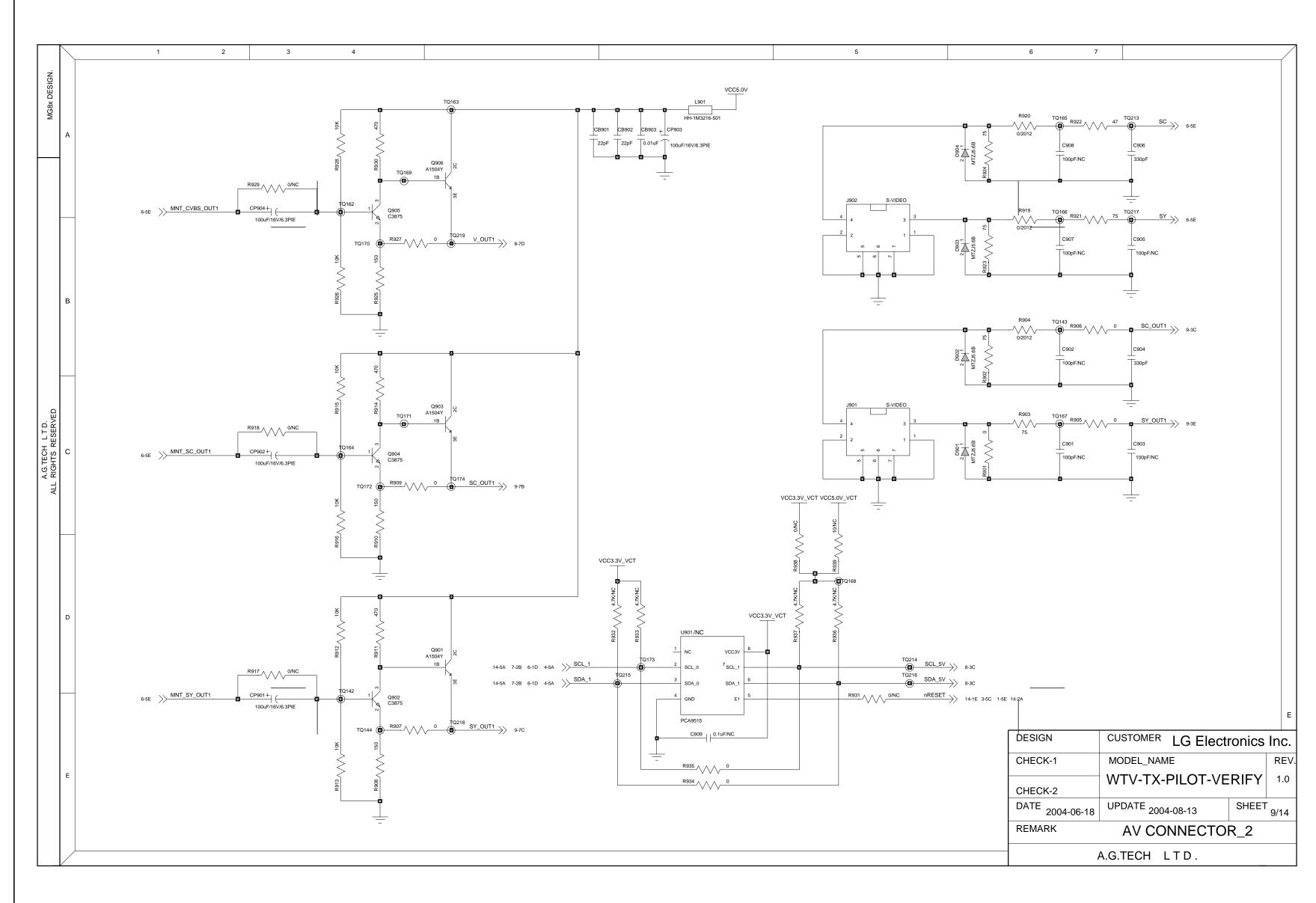


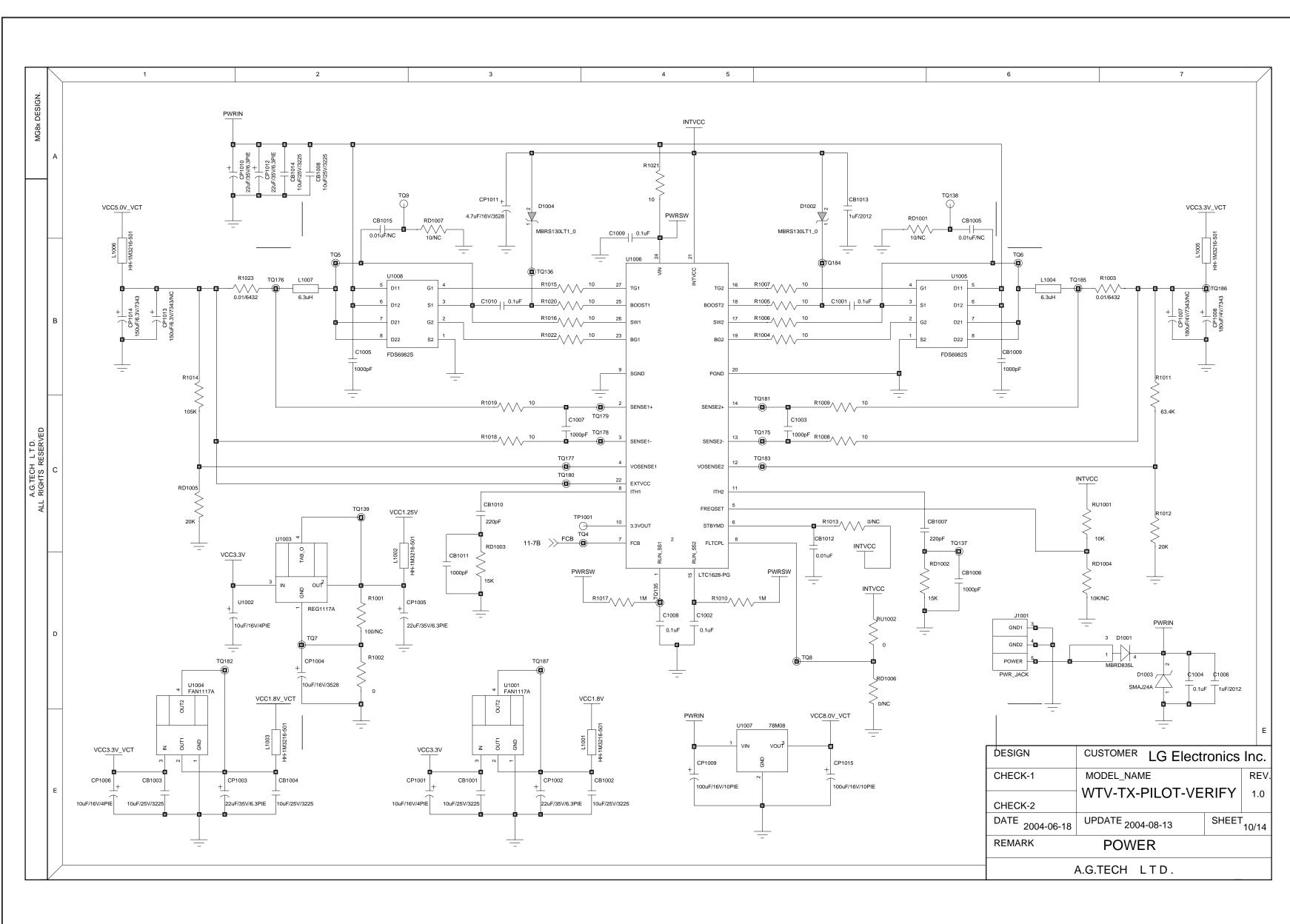


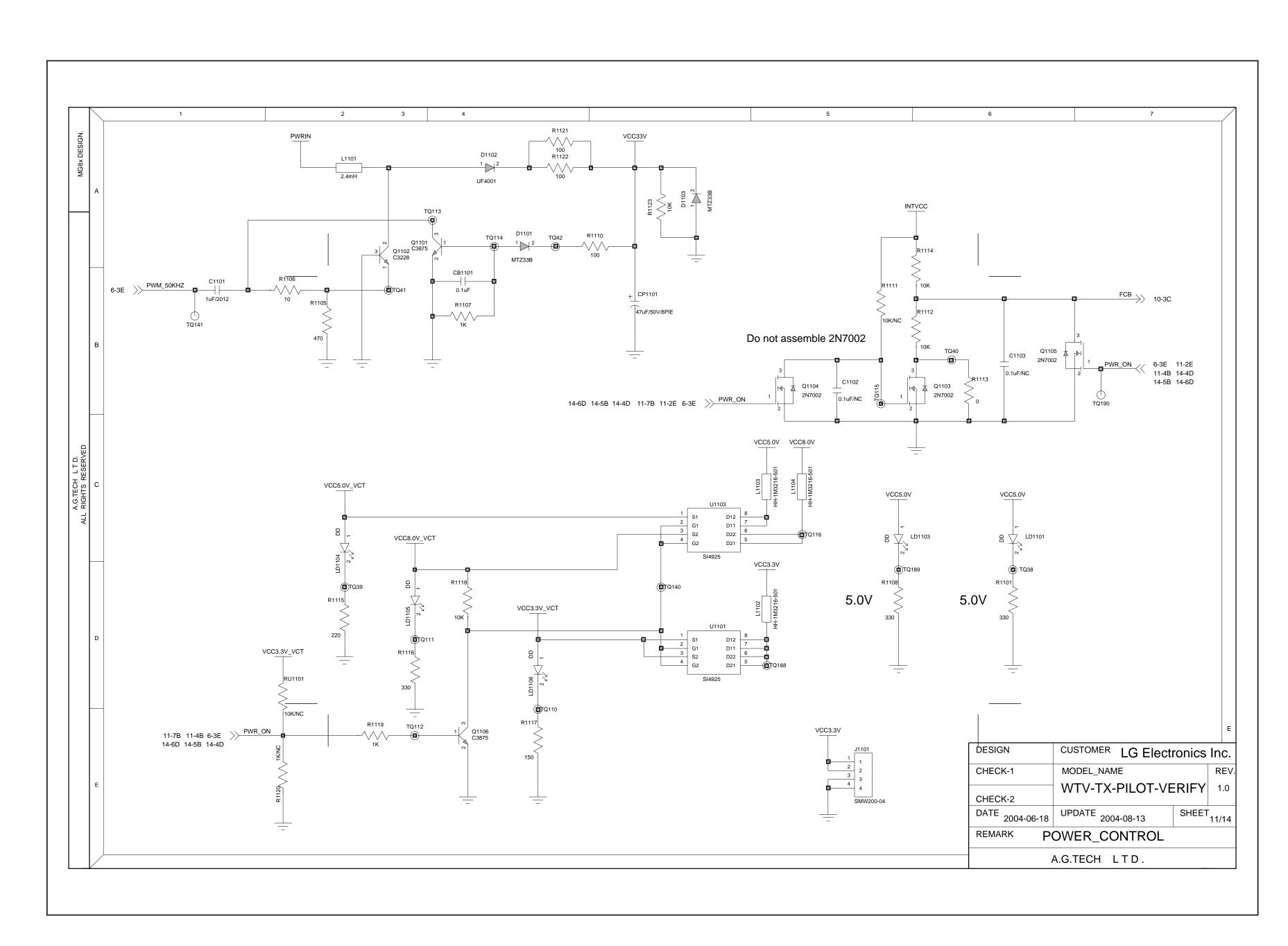


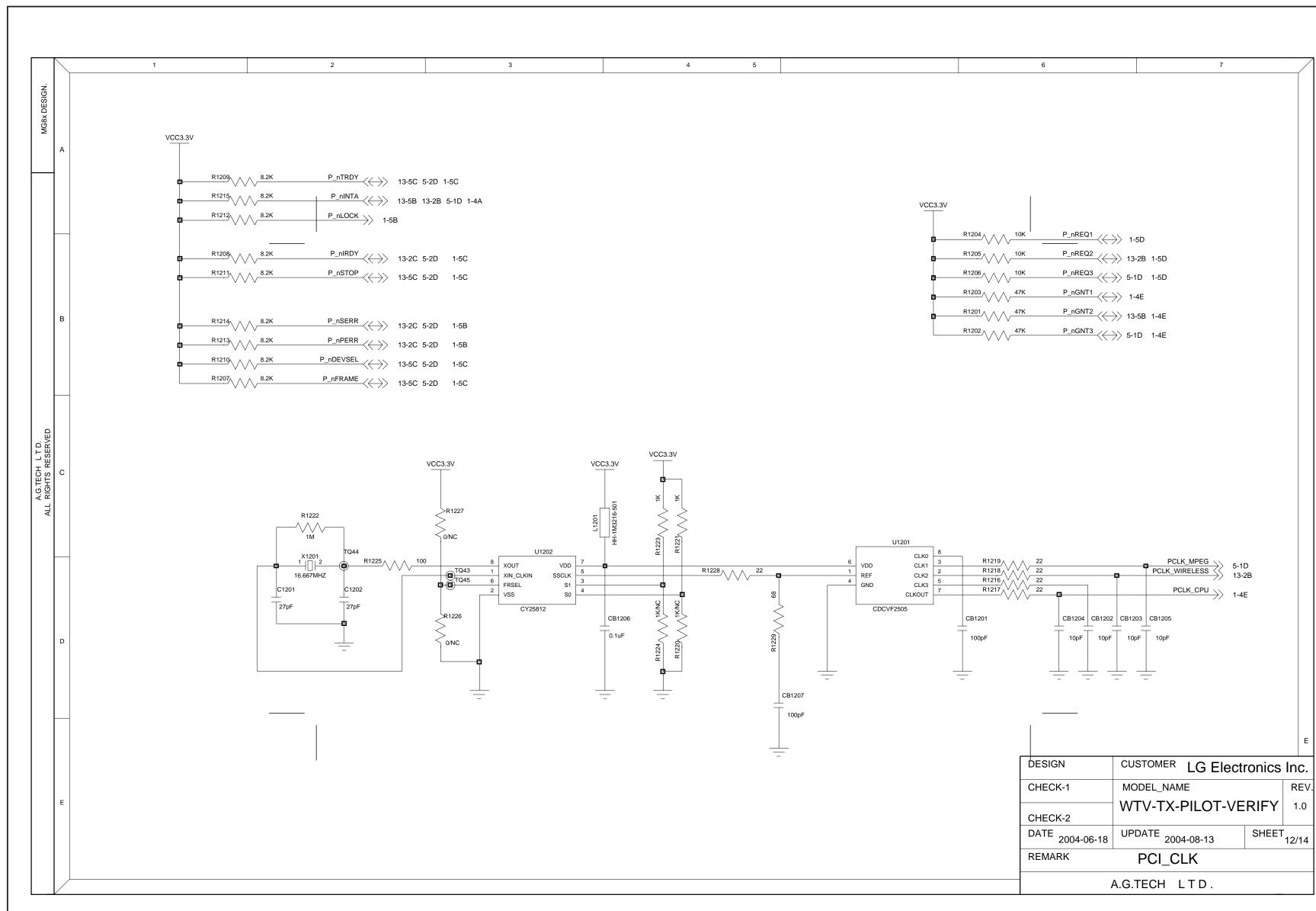


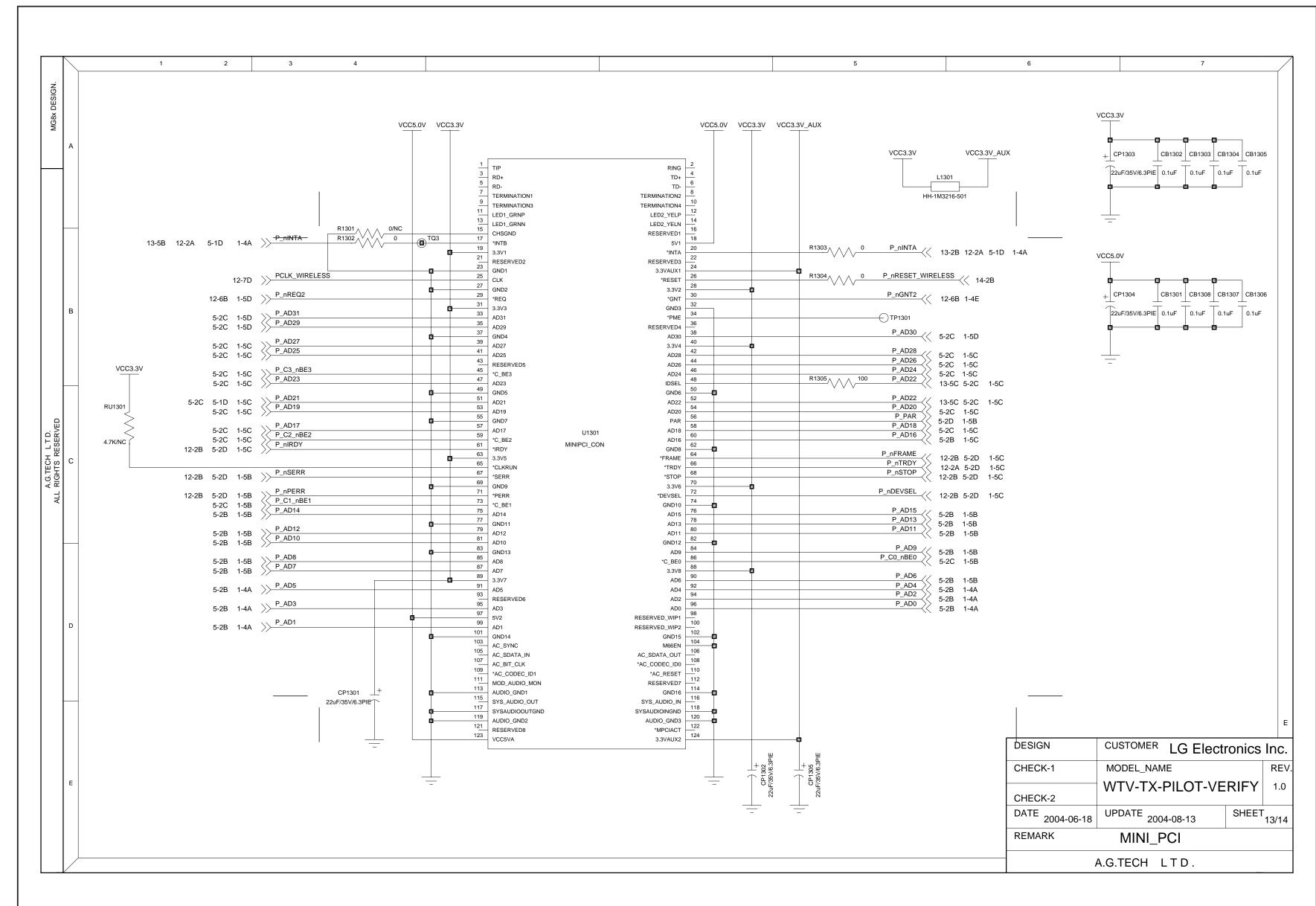


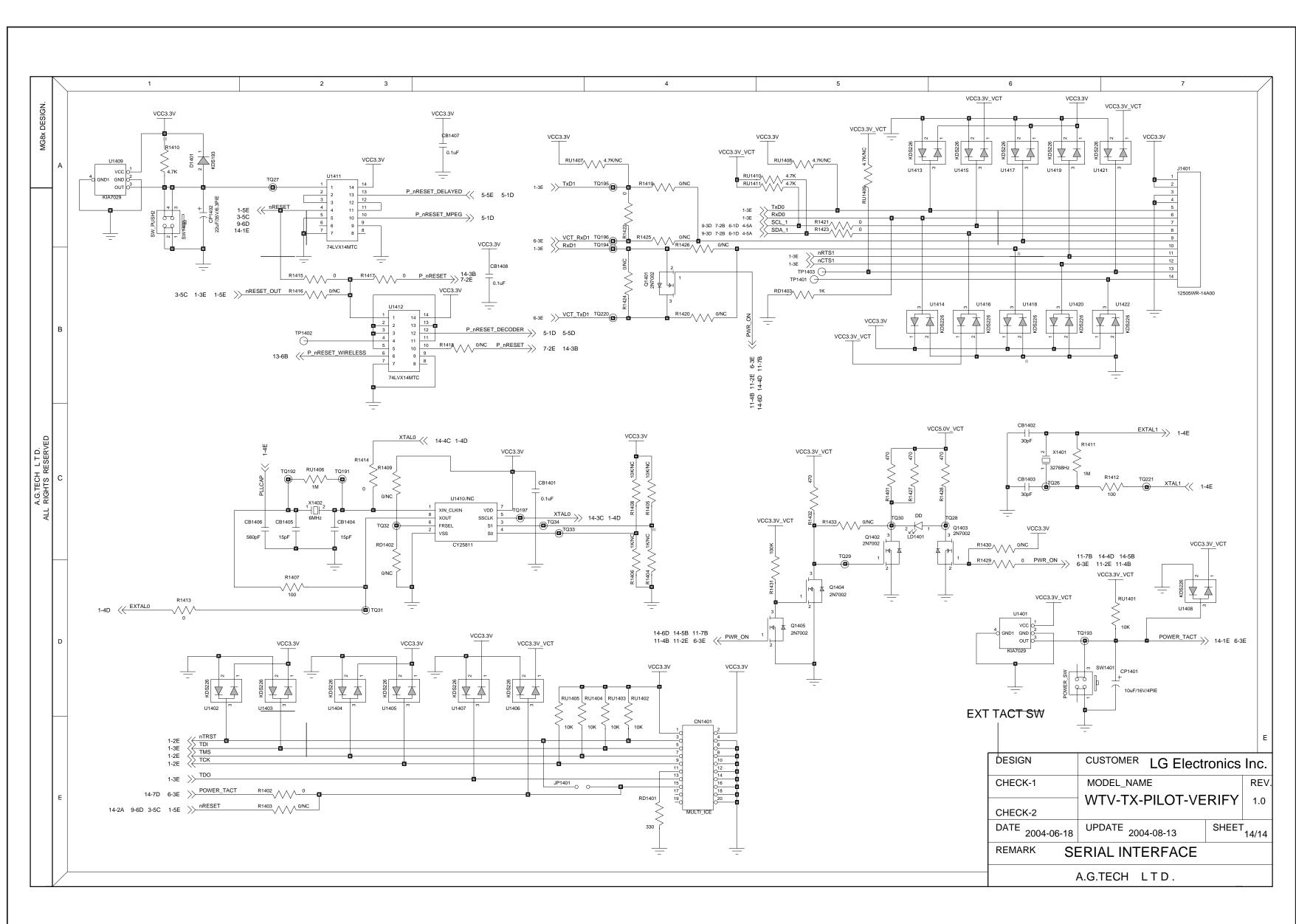


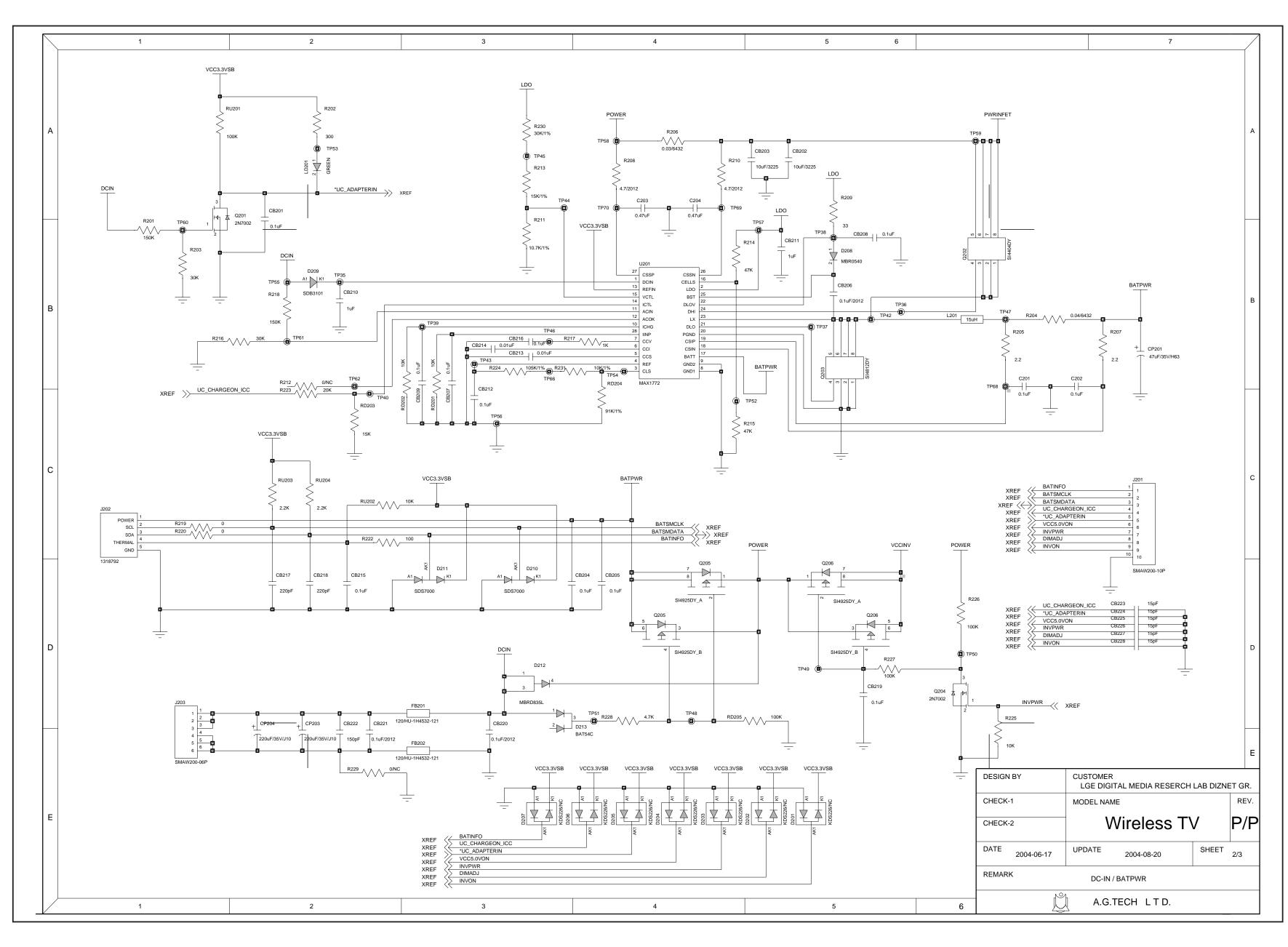


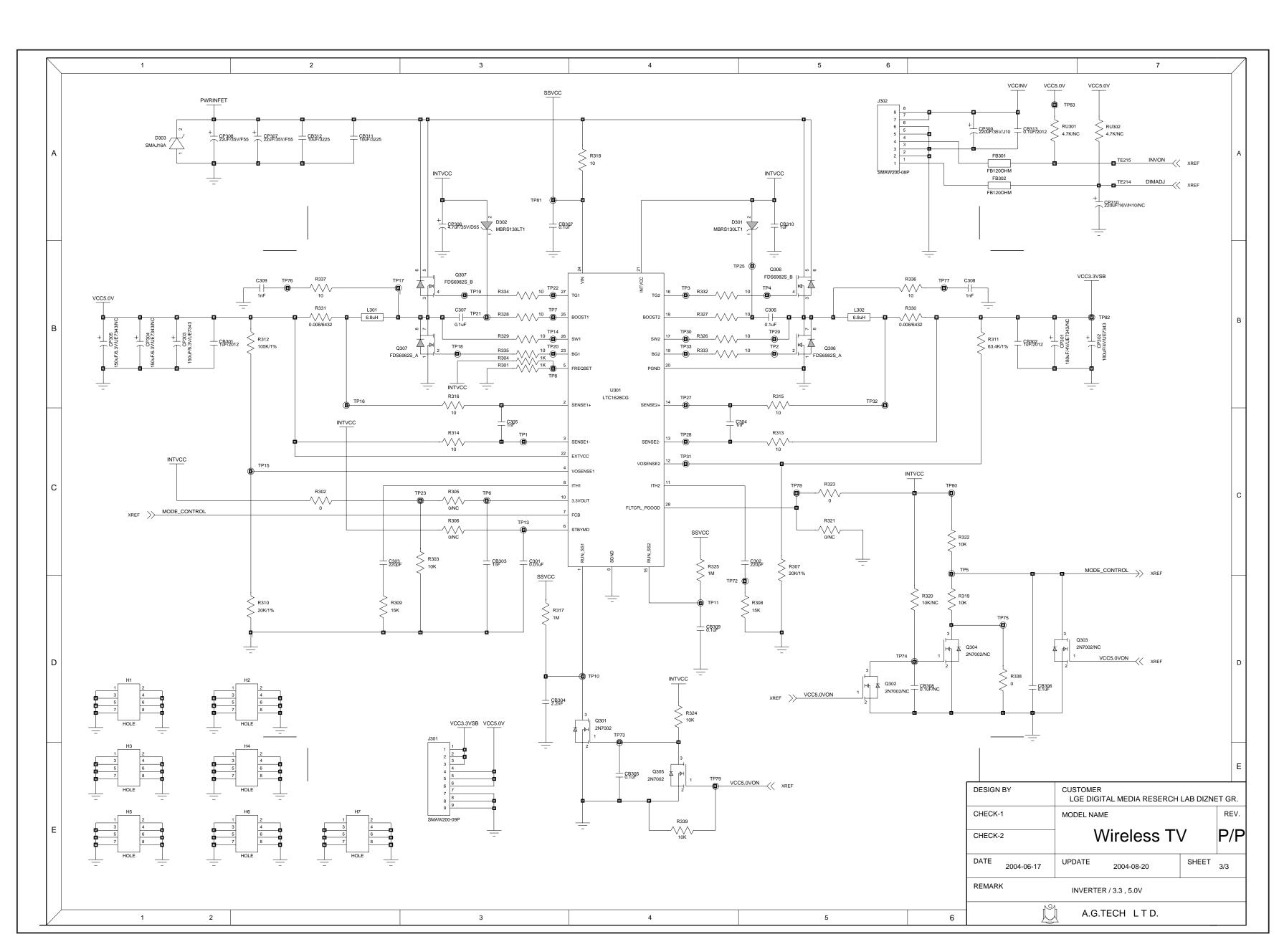


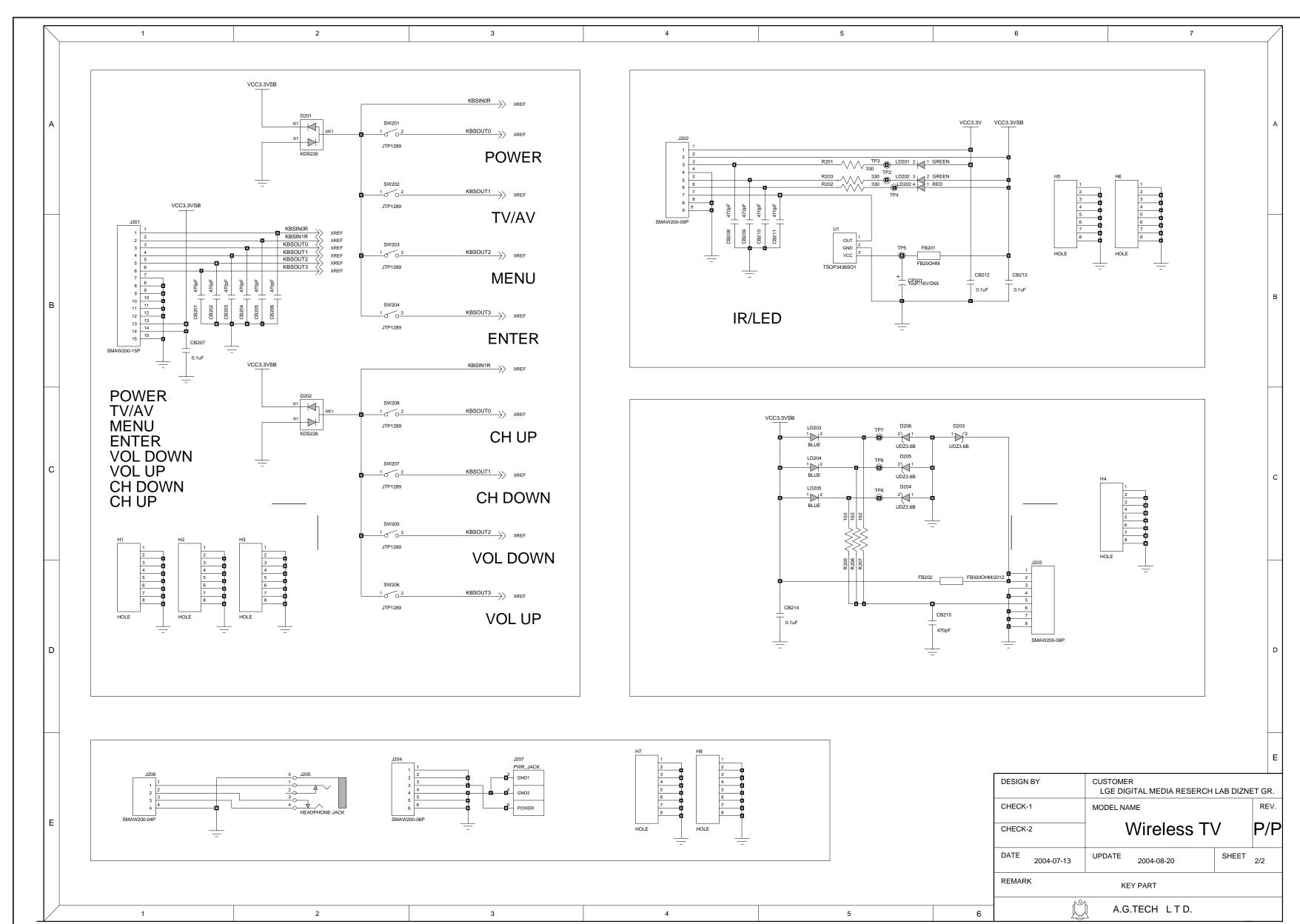
















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